THE WELDING ENGINEER

1951 Welding Products Reference Number

MID-JUNE 1951

A McGRAW-HILL PUBLICATION

Where to Buy

WELDING

EQUIPMENT

TOOLS AND

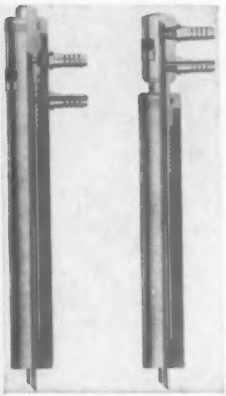
SUPPLIES

FACTS AND

FIGURES

Mallory Is Headquarters for RESISTANCE WELDING

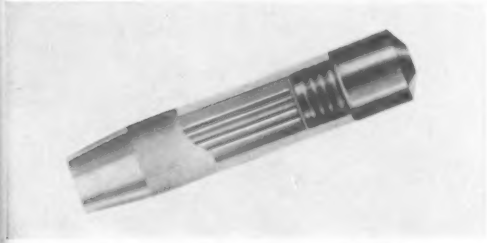
Alloys • Holders • Electrodes • Die Designs



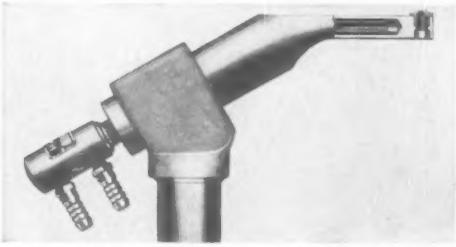
"KO" Leak-Proof Holders. The new Mallory "KO" Holders definitely "K.O." water leaks. Use standard size O rings, eliminate water drops causing rust or discoloration of material welded. Complete assembly—including all internal parts—made of copper alloy, brass or stainless steel, thus guaranteeing tip ejector mechanism free from rust or corrosion and a full water flow.

Fluted and Bent Offset Electrodes. Mallory Fluted and bent offset electrodes are the ultimate, combining the Mallory-perfected Fluted electrode*, with all its advantages, with a bent offset tip in which the cooling water is brought closer to the welding face for increased tip life by bending the water cooling tube in place**. Now you can have these money-saving, time-saving electrodes in your welders . . . another exclusive Mallory development.

For complete information, write direct or contact your local Mallory Distributor.



Mallory "Nu-Wrinkle Cap"† Electrodes. New Mallory development . . . composed of a replaceable cap inserted into a reusable shank. Corrugated cap skirt provides positive electrical and thermal contact with shank . . . fluted water hole in shank assures maximum cooling efficiency . . . design of cap skirt and shank socket provides positive alignment. Easily replaceable as insert in die applications. All standard Mallory nose shapes available.



Heavy Duty Paddle Type Holder. Here's a newly-designed, heavy-duty holder with a variety of adjustments for special offset work . . . ideal for those high-pressure, hard-to-reach spots. A minimum clearance of $\frac{23}{32}''$ is required. This new holder is adjustable in the T connection for angle of rotation as well as amount of offset. Mallory Standard Socket Type Electrodes can be used on either surface of the holder.

In Canada, made and sold by Johnson Matthey & Mallory, Ltd., 110 Industry St., Toronto 15, Ontario

For your resistance welding alloy needs — it will pay you to consult Mallory first

P. R. MALLORY & CO. Inc.

MALLORY

P. R. MALLORY & CO., Inc., INDIANAPOLIS 6, INDIANA

SERVING INDUSTRY WITH

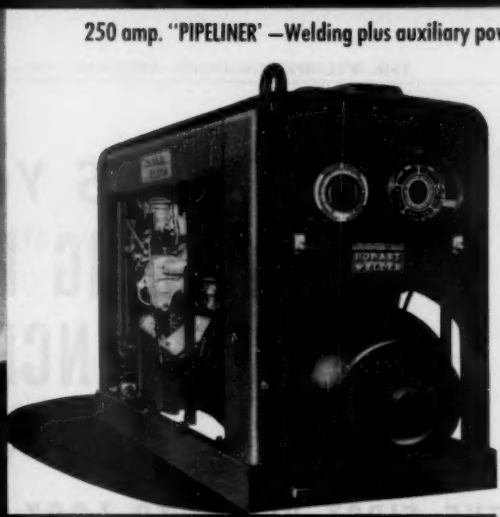
Electromechanical Products
Resistors *Switches*
TV Tuners *Vibrators*

Electrochemical Products
Capacitors *Rectifiers*
Mercury Dry Batteries

Metallurgical Products
Contacts *Special Metals*
Welding Materials

*Patent Pending
**U.S. Patent 2,489,993
†Trade Mark, Patent Pending

300 amp. gas engine drive trailer type welder



250 amp. "PIPELINER' —Welding plus auxiliary power

SEE WHY these HOBART arc welders are your BEST BUYS—

—send coupon today...to HOBART BROTHERS CO., box 612 Troy, Ohio

300 amp. gas drive welder plus 3 kw. auxil. power

300 amp. electric drive welder, portable or stationary

When the job is tough . . . and the going rough . . . you'll want to be sure you have a Hobart Welder. It can't be matched for equipment, durability, or performance . . . gives you more and better weld production at lower cost.

Whatever your requirements may be—gas or electric drive, portable or stationary—there's a Hobart Welder that's just right. Investigate them today . . . see for yourself why they are the world's greatest welder buys.

You'll like the HOBART No. 12 (E-6012) electrode

. . . an all-purpose rod that handles 80% of all production work. It's just one of a complete range of types and sizes made to meet any welding requirement. Check coupon for full details.

Ask for complete catalog of welding accessories

HOBART WELDERS

"One of the world's largest builders of arc welders"

HOBART BROTHERS COMPANY, BOX U-612, TROY, OHIO, U.S.A.

Gentlemen: Without obligation, please send me complete information on the items checked below.

☐ _____amp. Gas Drive
☐ Portable
☐ Hobart Electrodes
☐ _____amp. Electric Drive
☐ Stationary
☐ Hobart Accessories

NAME _____

FIRM _____ ☐ home ☐ business

ADDRESS _____

CITY _____ STATE _____

THIS IS YOUR 1951
WELDING PRODUCTS REFERENCE NUMBER

★ ★ ★

THE FIRST PLACE TO LOOK FOR DEPENDABLE SOURCES OF WELDING EQUIPMENT AND SUPPLIES

THE WELDING ENGINEER Products Reference Number fills an important need in the welding industry. In this issue we have attempted to compile a complete list of all products used in and for welding. The information contained herein was furnished us by hundreds of manufacturers of welding equipment and supplies. It is for *your* convenience, *the buyers guide of the welding industry.*

Dozens of manufacturers carry advertising in this number to make it easy for you to locate the very type of product for which you may be looking. You will find their advertisements adjacent to listing of product(s) they make.

★

TELLS WHO MAKES AND WHERE TO BUY EACH OF THE THOUSANDS OF TOOLS, EQUIPMENT AND SUPPLY ITEMS THE WELDING INDUSTRY NEEDS . . . . *KEEP THIS VALUABLE REFERENCE NUMBER HANDY ALL YEAR.*

The man who won't read has no advantage over the man who can't read

THE WELDING ENGINEER MID-JUNE 1951

1951 WELDING PRODUCTS REFERENCE NUMBER

A McGRAW-HILL PUBLICATION

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THE WELDING ENGINEER

with which is combined The Acetylene Journal

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IN OUR 36TH YEAR OF SERVICE TO THE WELDING INDUSTRY

HOW TO USE YOUR

PRODUCTS REFERENCE NUMBER

It's Divided Into Four Convenient Sections —

★

1—STATISTICAL SECTION

A complete review of the welding industry—data on sales volume in principal welding markets, steel ingot production, welding wire production, electrode production, oxygen and acetylene gas production and other facts pertinent to welding. In addition, there are reprints of outstanding Data Sheets that have been published in THE WELDING ENGINEER. These sheets deal with all phases of welding and include related data of interest to practically all types of users of welding.

★ ★

2—PRODUCT CLASSIFICATION LIST

A directory of welding products and kindred items arranged alphabetically with names and location of manufacturers.

★ ★ ★

3—TRADE NAME INDEX

To simplify recognition when only the trade name is known. Therein is listed the trade name, the type of product and the name and location of its manufacturer.

★ ★ ★ ★

4—NAME AND ADDRESS SECTION

An up-to-date list of manufacturers of all types of welding equipment and supplies—and related products.

• • •

At the beginning of Sections 2, 3, and 4, you will find more detailed instructions on "how to use." If at any time you do not find the information you want, write us and we will do what we can to help you.

• • •

We are deeply indebted to the manufacturers and others who have aided us in compiling this Annual Reference Number and to all who have helped, we extend our sincere thanks.

THE WELDING ENGINEER

330 W. 42nd St. New York 18, N. Y.

1950 FACTS AND FIGURES

THE WELDING ENGINEER'S 1950 statistical review of the welding industry shows that 1950 was our best year yet. Both arc and gas welding hit new highs.

ALL branches of the welding industry — arc welding, gas welding and resistance welding—showed big increases over 1949. Gas and resistance welding jumped about 20%; arc welding was up 30%. The overall increase for the industry as a whole was about 23%.

Business for this phenomenal year started off with a bang in January and continued to grow. In August, the impact of the Korean war began to be felt. From then on, the big problem was shortages — a problem faced by all manufacturers of welding equipment, supplies and accessories.

TWICE AS FAST AS INDUSTRY

The welding sales index stood at 573 at the end of the year — 120 points higher than the 1949 index. For comparison, the Federal Reserve Board's index for all industrial production was 200, and the durable goods index was 237. This would indicate that welding sales are growing twice as fast as industry in general.

Running approximately 30% ahead of 1949, the arc-welding industry had one of its best postwar years. Nearly $27 million was spent for welders and over $49 million for electrodes. Arc-welding accessories such as electrode holders, helmets, cleaning tools, clamps, gloves, etc., reached an all-time high of nearly $11 million. All of these various phases of arc welding would have enjoyed even greater sales, no doubt, had it not been for material shortages.

Electrode production for the year totaled over 420 million lb. This is equivalent to 15.6 lb of electrodes for every ton of steel sheets, shapes and plates produced.

How electrode production compares with the production of steel ingots is illustrated by the chart on page 13. In 1950, it is interesting to note, there were 4.35 lb of electrodes produced per ton of ingots. Total steel ingot production for the year was 96,713,276 tons.

The huge volume of welding gases sold during the year shot up the 1950 gas-welding total. Oxygen (18 billion cu ft) and acetylene (5 billion cu ft) produced during the year account for $245,455,780 of the total sales of $281,266,193. Another all-time high, however, was made by the sale of apparatus, up nearly 50% over 1949. Welding rods and accessories, reaching the $10½ million mark, also topped all previous sales.

The $24,201,306 total of resistance-welding equipment sold in 1950 represents roughly a 20% gain over the previous year. Viewed from a longer range, the figure is much more impressive. In 1950, manufacturers of resistance welders and equipment did approximately five times the business that they did in 1940.

Like the other welding fields, resistance welding was handicapped by material shortages. Sales would probably have been higher had the material been available.

A BRIGHT FUTURE AHEAD

As far as continued demand for welding products is concerned, the welding outlook is exceedingly bright for 1951. Shortages, however, will continue to plague us. Lack of copper, nickel, chromium and, in some cases, steel will hamper the efforts of our industry to meet even military demands, let alone those of our civilian economy. If past experience is any criterion, however, the welding industry will not let our defense program down.

* * *

THE WELDING ENGINEER wishes to thank the companies and other organizations and the many individuals who aided us in compiling the information presented in graphical and tabular form on the following pages. Many company names cannot be disclosed because of the confidential nature of the data supplied us, but we'd like to thank them anyway. In particular, we are indebted to the Bureau of Census, American Iron and Steel Institute, National Electrical Manufacturers' Association and the Resistance Welder Manufacturers' Association.

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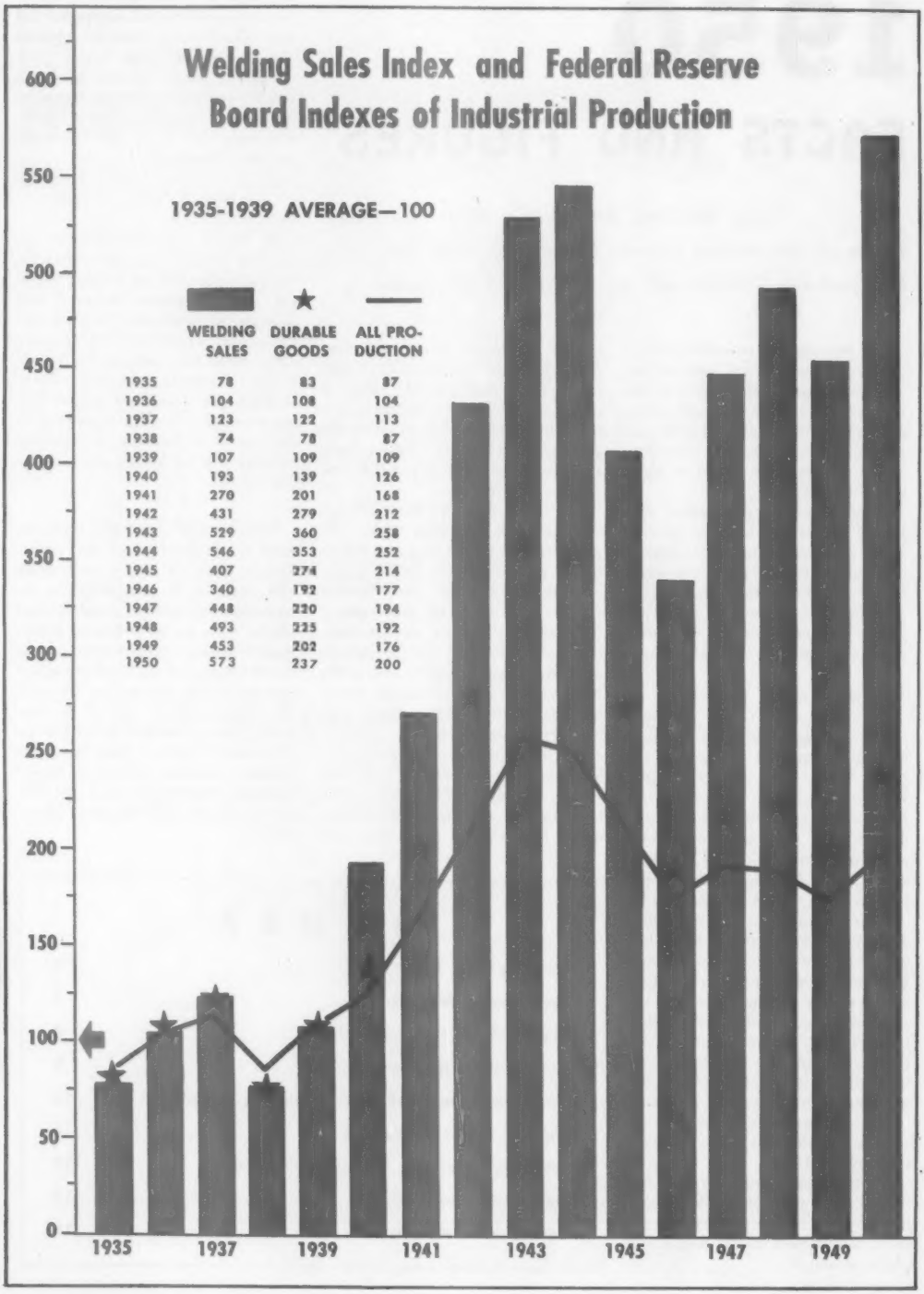
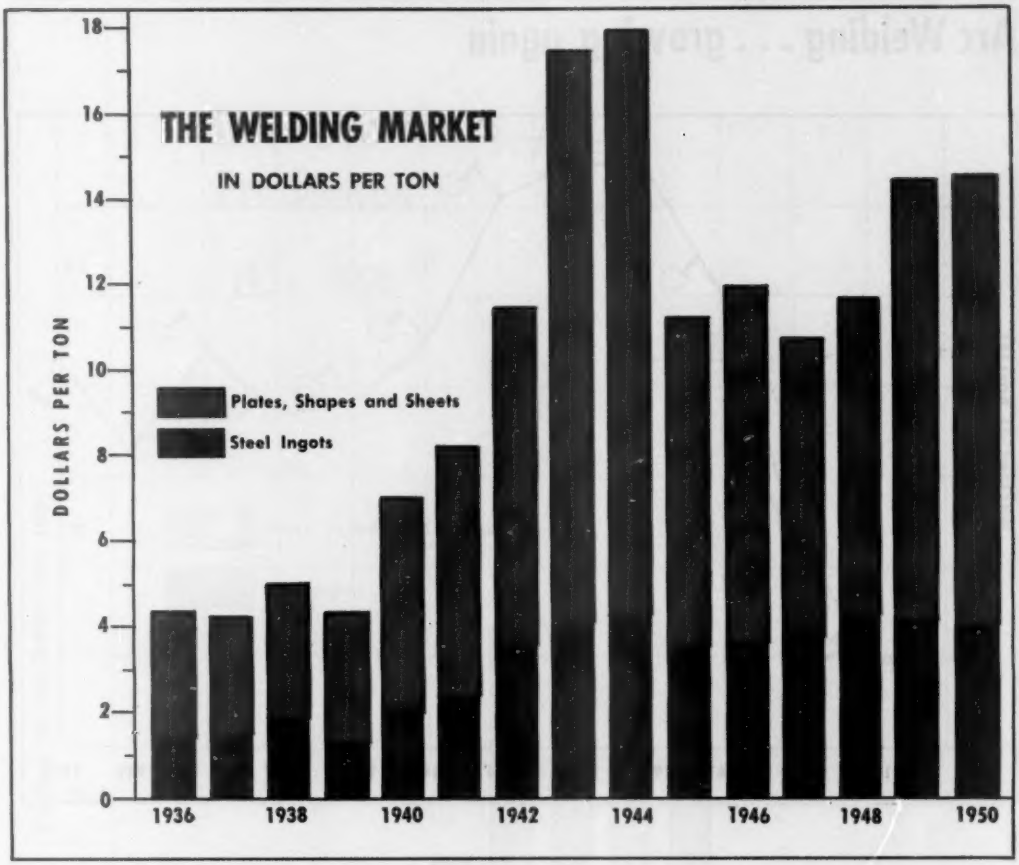
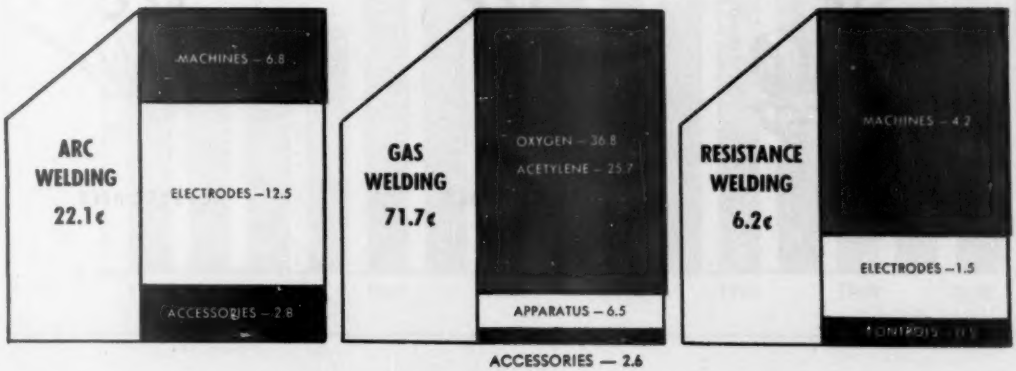


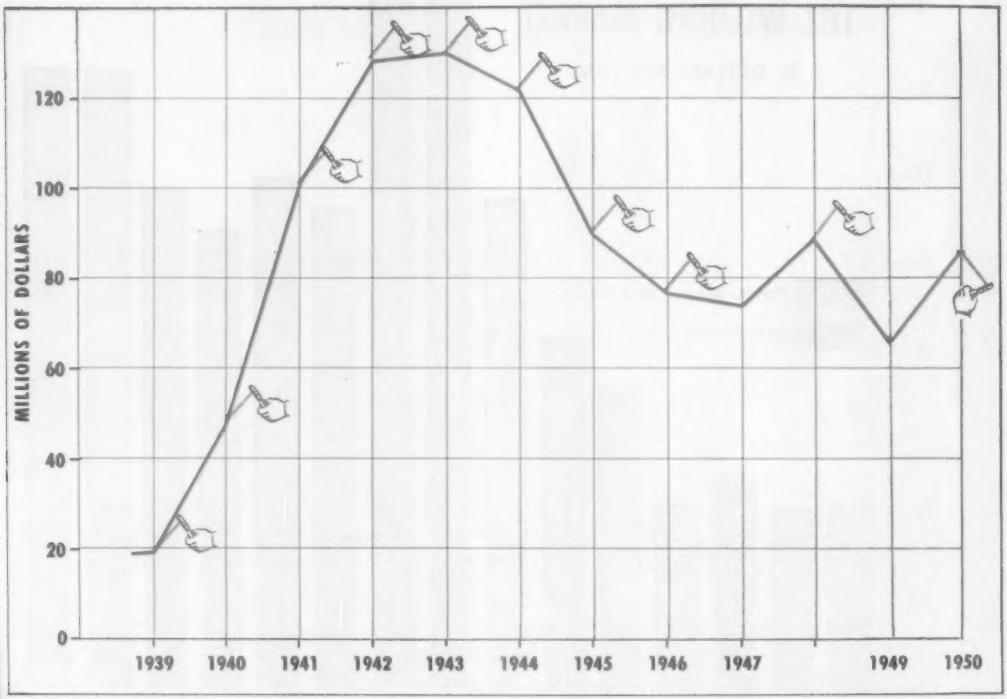
	WELDING SALES	DURABLE GOODS	ALL PRODUCTION
1935	78	83	87
1936	104	108	104
1937	123	122	113
1938	74	78	87
1939	107	109	109
1940	193	139	126
1941	270	201	168
1942	431	279	212
1943	529	360	258
1944	546	353	252
1945	407	274	214
1946	340	192	177
1947	448	220	194
1948	493	225	192
1949	453	202	176
1950	573	237	200



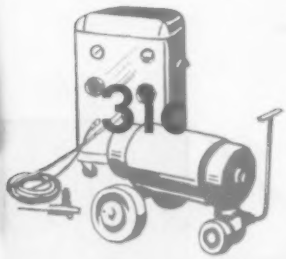
YOUR WELDING DOLLAR . . . how it was divided—



Arc Welding . . . growing again



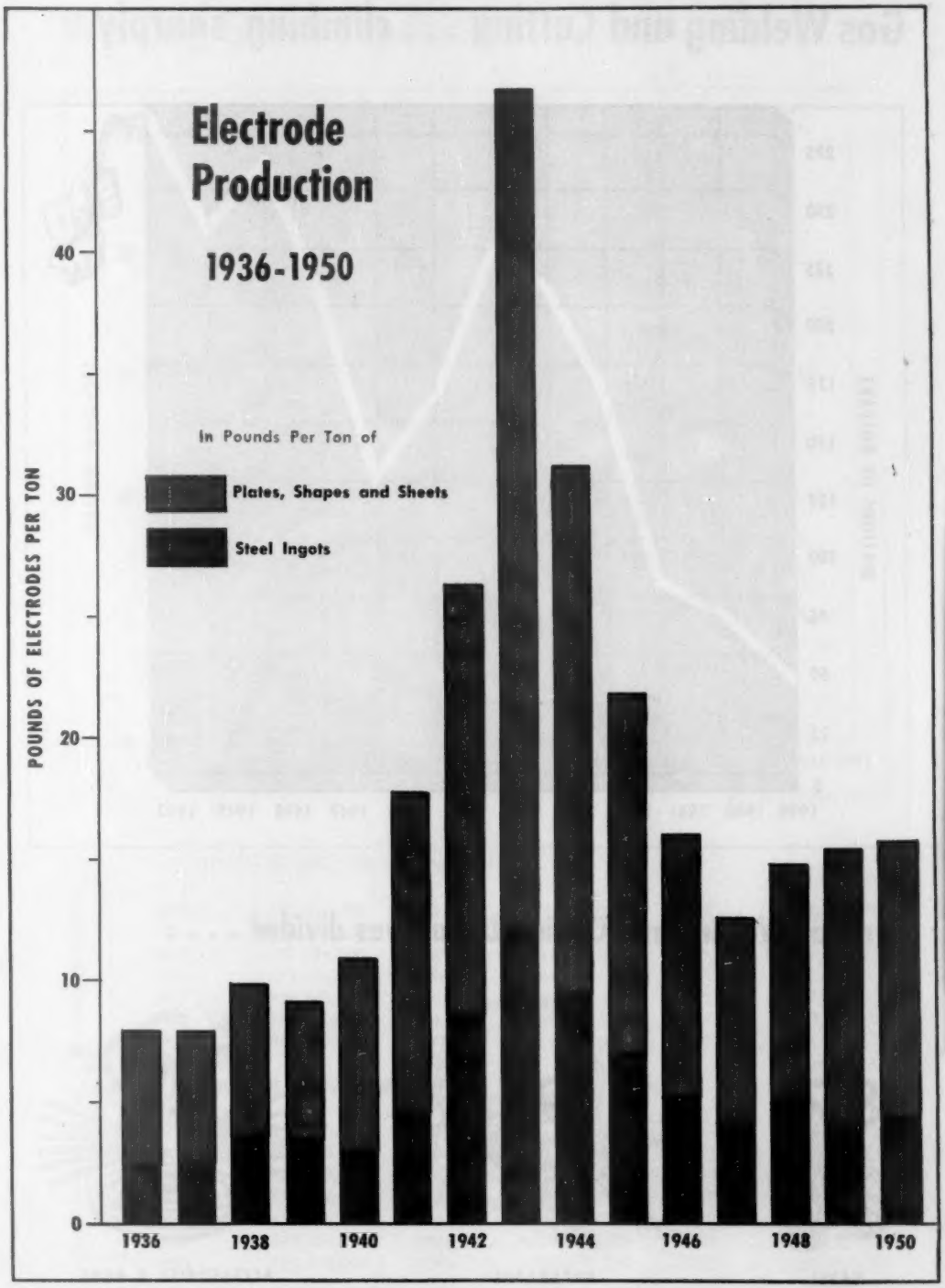
The Arc Welding Dollar was divided . . . .



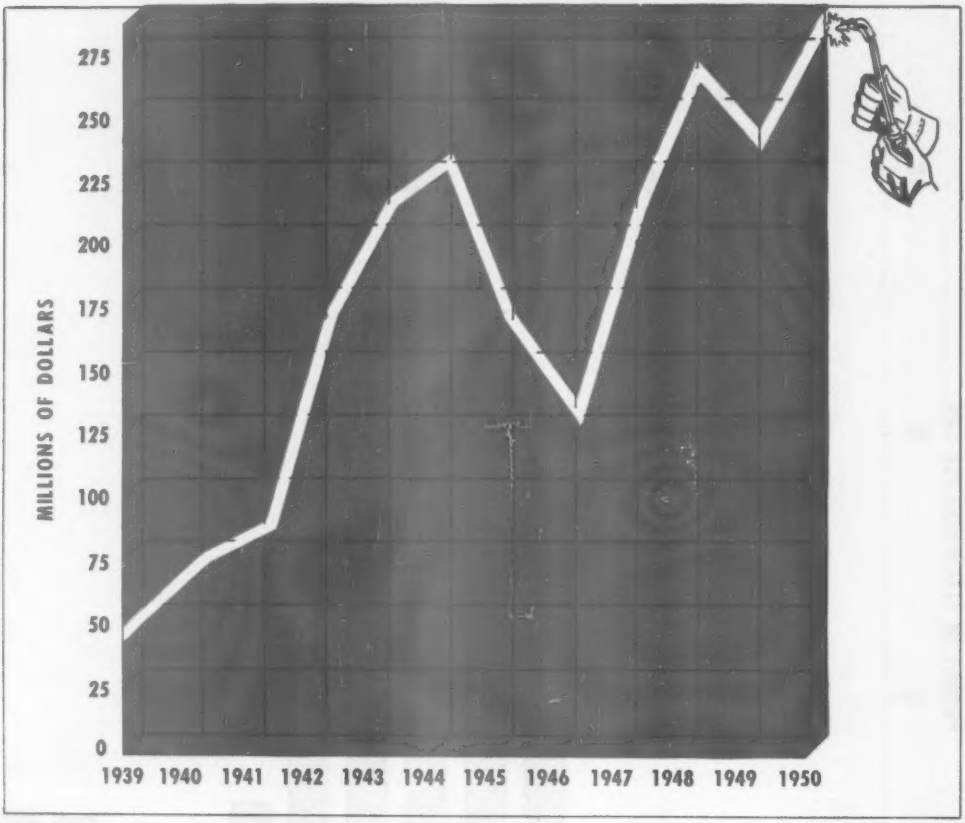
MACHINES

ELECTRODES

ACCESSORIES

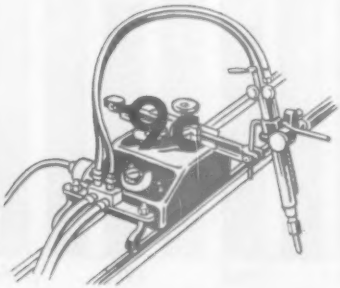

Electrode Production
1936-1950
In Pounds Per Ton of
Plates, Shapes and Sheets
Steel Ingots
POUNDS OF ELECTRODES PER TON
0
10
20
30
40
1936
1938
1940
1942
1944
1946
1948
1950

Gas Welding and Cutting . . . climbing sharply

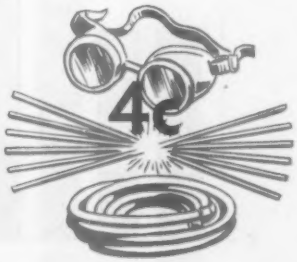


The Gas Welding and Cutting Dollar was divided . . . .

GASES

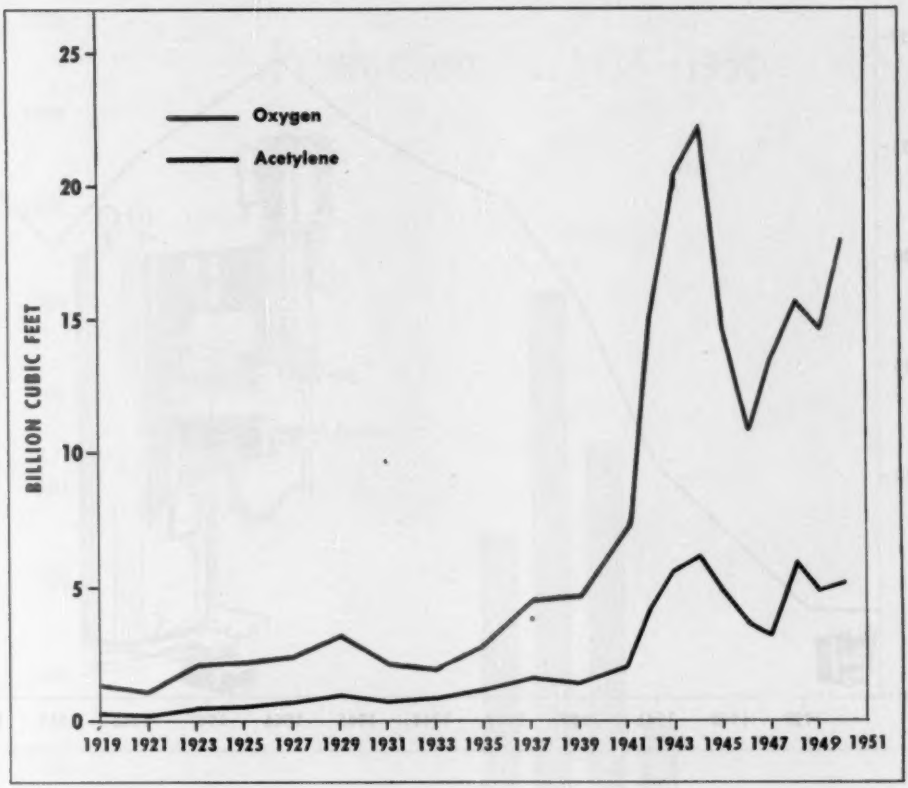


APPARATUS



ACCESSORIES & RODS

Welding Gases Production. . . . 1919–1950



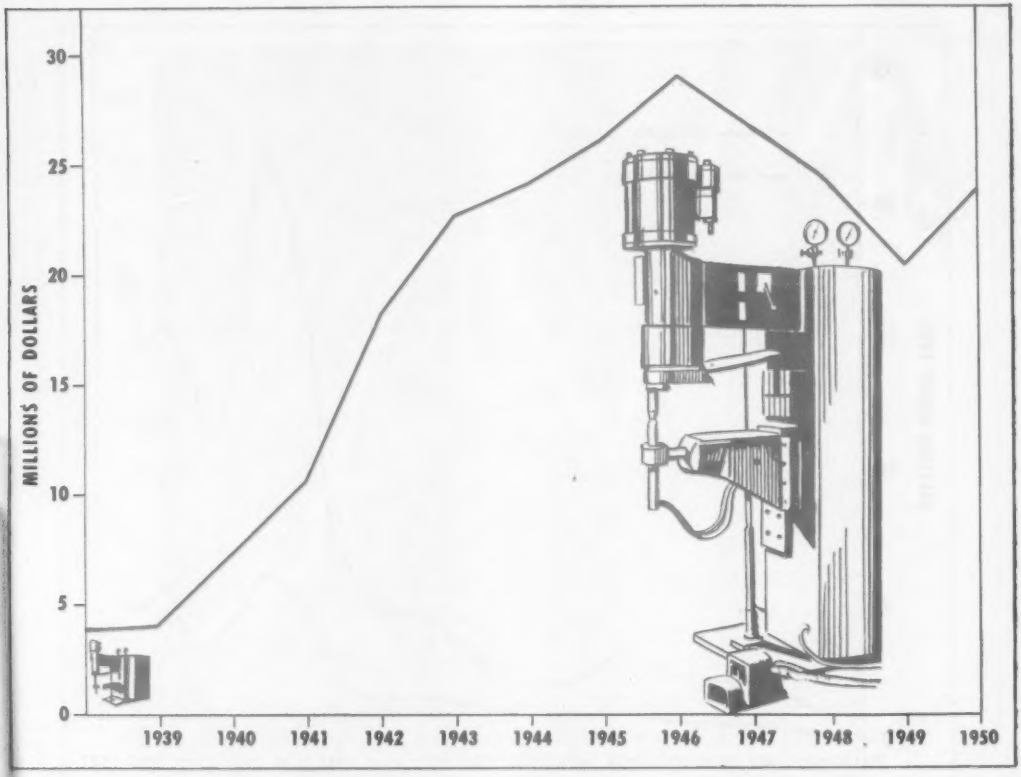
OXYGEN PRODUCTION—in cubic feet

1919	1,173,414,000	1933	1,821,880,000	1944	22,316,928,000
1921	1,062,135,000	1935	2,683,859,000	1945	14,530,939,000
1923	2,057,526,000	1937	4,441,391,000	1946	10,838,259,000
1925	2,073,826,000	1939	4,561,968,000	1947	13,786,800,000
1927	2,359,896,000	1941	7,181,479,000	1948	15,603,897,000
1929	3,140,095,000	1942	14,987,643,000	1949	14,622,000,000
1931	2,050,377,000	1943	20,483,830,000	1950	18,023,479,000

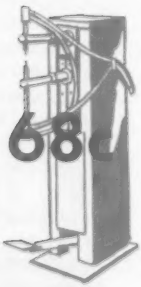
ACETYLENE PRODUCTION—in cubic feet

1919	311,390,000	1933	754,089,000	1944	6,105,918,000
1921	291,630,000	1935	1,143,199,000	1945	4,799,464,000
1923	522,349,000	1937	1,511,445,000	1946	3,649,873,000
1925	525,746,000	1939	1,274,164,000	1947	4,286,700,000
1927	682,481,000	1941	2,030,520,000	1948	5,987,643,000
1929	969,534,000	1942	4,199,863,000	1949	4,998,430,000
1931	742,898,000	1943	5,603,897,000	1950	5,070,386,000

Resistance Welding . . . also increasing



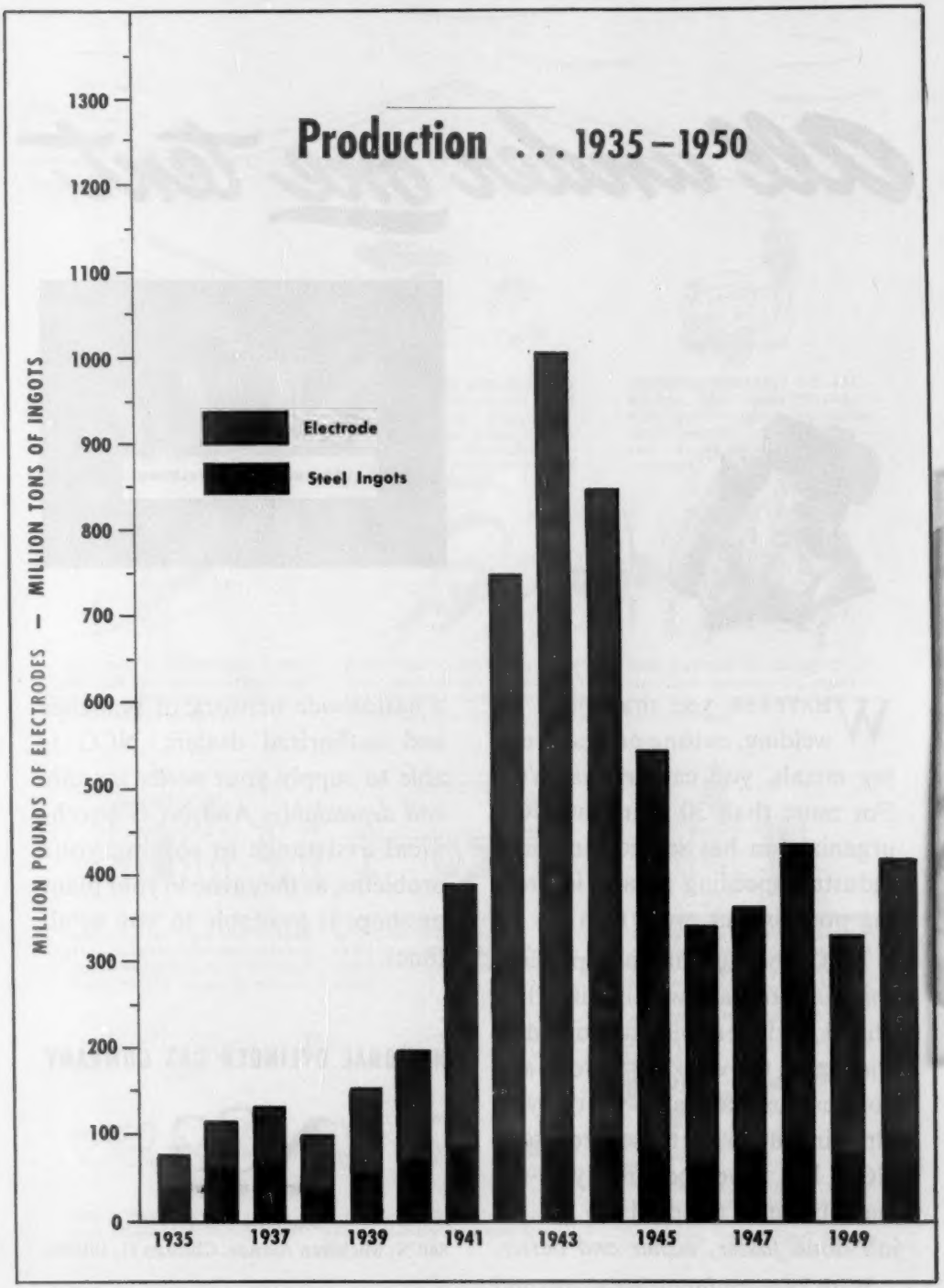
The Resistance Welding Dollar was divided . . . .



MACHINES

ELECTRODES

CONTROLS


Production ... 1935–1950
Electrode
Steel Ingots
MILLION POUNDS OF ELECTRODES — MILLION TONS OF INGOTS
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1935
1937
1939
1941
1943
1945
1947
1949

All under one tent

NCG®
EVERYTHING FOR WELDING

WHATEVER you may need for welding, cutting or heat-treating metals, you can *rely on NCG*. For more than 30 years the NCG organization has served American industry, speeding up and improving processes at every turn.

NCG's background of experience spans electric arc-welding in all its phases, and the application of industrial gases for working ferrous and non-ferrous metals of every type. Growing up with these processes, NCG has developed ready-to-use machines and materials to get the job done *faster, easier and better*.

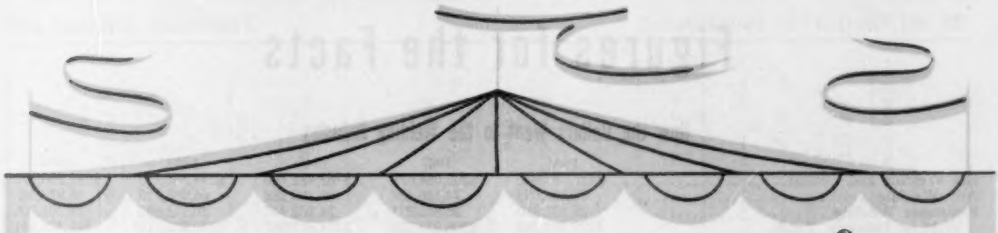
With 73 manufacturing plants and a nationwide network of branches and authorized dealers, NCG is able to supply your needs *speedily and dependably*. And NCG's technical assistance in solving your problems, as they arise in your plant or shop, is available to you at all times.

NATIONAL CYLINDER GAS COMPANY

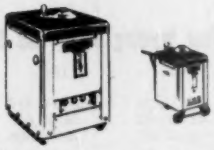
NCG®
EVERYTHING FOR WELDING

Executive Offices:
840 N. Michigan Avenue, Chicago 11, Illinois

Copr. 1951, National Cylinder Gas Co.

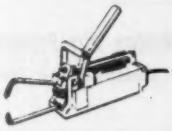


SUREWELD ELECTRODES are made for *every* class, analysis and type of welding. Included in the *complete* NCG line are rods for all oxy-acetylene welding and brazing requirements.

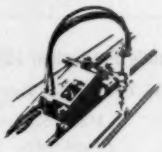


SUREWELD A-C ARC-WELDERS have *exclusive* features not found in other machines. Rugged, dependable, they are unmatched for dollar-for-dollar *value* and real *performance*. *Nine* Industrial Models and *five* Shop Models.

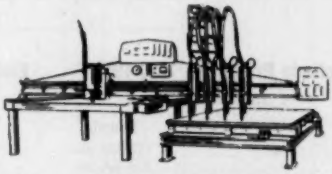
SUREWELD PORTABLE D-C ARC-WELDER. This Model HGW-150 is the lightest weight, *most portable* gasoline-driven arc-welder ever built. It can go anywhere, weld *anywhere*.



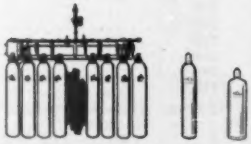
SUREWELD PORTABLE SPOT WELDER with new lock-tight lever action makes tight, perfect spot welds *with amazing ease*.



NCG's "CUT-O-MATIC" is a *portable*, motor-driven flame-cutting machine that is winning wide use in both big plants and small shops.

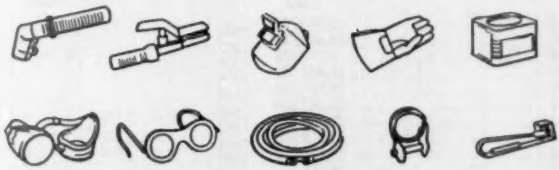


NCG CUTTING MACHINES of *all* sizes and capacities are *superior* for speed, accuracy and economical operation.



NCG GASES including oxygen, acetylene, hydrogen and nitrogen are supplied in individual cylinders and in manifold systems and other forms of bulk supply to meet required volumes. Countless hours of production time have been saved by properly *planned* supply and distribution systems for these gases.

TORCHWELD ACETYLENE GENERATORS are available in portable and stationary models in sizes from 12-lb. to 600-lb. Dependable SHAWINIGAN CARBIDE is distributed by NCG branches and dealers from coast to coast.



NCG ACCESSORIES include all the items the welder needs to work more efficiently and comfortably . . . *a complete line to meet every need.*

TORCHWELD AND REGO *set the pace* for speed, stamina and efficiency, and include all required regulators, welding and cutting torches, tips, and complete outfits.

Figures for the Facts

How the Dollars Went in the Welding Industry

	1946	1947	1948	1949	1950
Gas Welding and Cutting	$127,775,022	$205,064,671	$262,481,740	$234,286,716	$281,266,193
Arc Welding	76,916,093	74,166,436	88,288,282	66,068,710	86,919,142
Resistance Welding	29,102,830	26,843,271	24,103,945	20,513,693	24,201,306
Welding Industry Totals	$223,794,265	$306,974,378	$374,873,967	$320,869,119	392,386,641

Source: THE WELDING ENGINEER Estimates.

How Your Welding Dollar Was Spent

	1946	1947	1948	1949	1950
Arc Welding					
Machines	$ 27,357,630	$ 28,340,419	$ 26,868,459	$ 19,938,993	$ 26,910,555
Arc Electrodes	42,720,842	38,838,649	53,068,576	39,003,874	49,172,601
Accessories	6,837,921	6,987,368	8,351,247	7,125,843	10,835,986
Gas Welding					
Oxygen	60,610,424	96,507,600	125,831,176	116,976,824	144,187,832
Acetylene	47,448,356	86,873,900	107,777,574	89,971,740	101,267,948
Gas Totals	108,058,780	183,381,500	233,608,750	206,948,564	245,455,780
Apparatus	16,023,489	16,833,050	.....	17,639,790	25,358,177
Accessories and Welding Rod	3,692,753	5,750,121	.....	9,698,362	10,452,236
Resistance Welding					
Apparatus, Controls and Electrodes	$ 29,102,830	$ 26,843,271	$ 24,103,945	$ 20,513,693	24,201,306

Source: THE WELDING ENGINEER Industry Estimates.

Electrode Production 1936-1950

In Pounds

	Pounds
1936	110,330,000
1937	128,360,000
1938	97,020,000
1939	152,863,400
1940	198,995,000
1941	386,886,131
1942	745,893,457
1943	1,086,784,300
1944	847,937,972
1945	541,829,046
1946	340,029,320
1947	360,098,430
1948	436,359,255
1949	329,596,600
1950	422,287,900

Sources: 1936-40—National Electrical Manufacturers' Association
1941-on—THE WELDING ENGINEER Industry Estimates.

Electrode Production 1936-1950

In Pounds Per Ton of

	Plates, Shapes and Sheets	Steel Ingot
1936	7.9	2.05
1937	7.9	2.30
1938	9.9	3.06
1939	9.1	2.90
1940	10.9	2.98
1941	17.7	4.67
1942	26.4	8.69
1943	46.7	12.22
1944	31.3	9.50
1945	21.9	6.90
1946	16.1	5.10
1947	12.6	4.25
1948	14.9	4.92
1949	15.2	4.25
1950	15.6	4.35

Source: THE WELDING ENGINEER Industry Estimates.

Welding Wire Production

Electrodes and Wire

	Pounds
1936	140,300,000
1937	155,310,000
1938	117,395,000
1939	183,436,000
1940	237,780,000
1941	425,574,744
1942	803,755,822
1943	1,133,876,000
1944	890,243,721
1945	589,371,842
1946	370,632,958
1947	388,121,600
1948	467,986,321
1949	352,668,360
1950	450,848,053

Sources: 1936-39—American Iron & Steel Institute
1940-on—THE WELDING ENGINEER Industry Estimates.

Steel Production in the United States, 1936-1950

Ingots

	Tons
1936	53,449,085
1937	56,635,899
1938	31,751,983
1939	52,797,783
1940	66,981,662
1941	82,927,557
1942	86,029,921
1943	88,836,366
1944	89,641,575
1945	79,701,624
1946	66,602,706
1947	84,783,981
1948	88,533,729
1949	77,868,353
1950	96,713,276

Source: American Iron & Steel Institute.

Plates, Shapes & Sheets

	Tons
1936	13,910,709
1937	16,082,743
1938	9,797,408
1939	16,492,952
1940	18,107,108
1941	23,342,334
1942	27,488,389
1943	23,219,605
1944	23,498,712
1945	24,681,737
1946	21,396,280
1947	28,492,386
1948	29,215,509
1949	21,670,929
1950	26,983,427

Source: THE WELDING ENGINEER Industry Estimates.

The Welding Market 1936-1950

In Dollars Per Ton of

	Plates, Shapes and Sheets	Steel Ingot
1936	4.3	1.42
1937	4.2	1.45
1938	5.0	1.83
1939	4.3	1.37
1940	7.0	1.86
1941	8.2	2.30
1942	11.4	3.51
1943	17.4	4.06
1944	17.8	4.14
1945	11.2	3.49
1946	11.8	3.51
1947	10.7	3.64
1948	11.6	4.23
1949	14.4	4.11
1950	14.5	4.06

Source: THE WELDING ENGINEER Industry Estimates.

TRADE NAMES* OF ELECTRODES AND COMPARABLE AWS-ASTM DESIGNATIONS

Designation	E-4510	E-6010	E-6011	E-6012	E-6013	E-6015	E-6016	E-6020	E-6030	E-7010	E-7016	E-7020
Weld positions	V, F, OH, H	F, V, OH, H	F, V, OH, H	F, V, OH, H	F, V, OH, H	F, V, OH, H	F, V, OH, H	H-Fillet, F	Flat	V, F, OH, H	F, V, OH, H	H-Fillet, F
General Description / MANUFACTURER	Wire—coating applied before drawing	Heavy coated D-C pos.	Heavy coated A-C or D-C	Heavy coated D-C neg. or A-C	Heavy coated A-C	Low-hydrogen D-C neg. or A-C	Low-hydrogen D-C pos. or A-C	H. coated A-C or neg. for fillets, A-C or pos for flat	Heavy coated D-C pos. or A-C	Heavy coated D-C pos. only	Low-hydrogen D-C pos. or A-C	H. coated A-C or neg. for fillets, A-C or pos. for flat
Air Reduction[1]	41 or 63	78E or 78	230	87 or 387	90 or 90A		312	81 or 315		93		94
Alloy Rods[2]		6010	6011	6012	6013			6020		7010	7016	7020
American Agile		White	Blue	Red-White	Blue-Red	FMS		Blue-Grey				
Champion	Sulcoat	Blue Devil	Bluedac	Gray Devil Gray Devil 2 Gray Devil H.P.	Graydac			Black Devil	Red Devil	Blue Devil 85	Hy-Lo	Black Devil 75
General Electric	F	W-22	W-26	W-20F W-20 W-28 W-29	W-25		W-32	W-24 or W-27		W-52	W-32	W-54
Harnischfeger	Dustcote	AP or APV	AC-1	PF or PFA	SM or AC-3	70LA	70LA-2	DH-2		CM-50		CM-50-2
Hobart	Sulcoat	55 or 10	335	77 or 12	447 or 13	70PL	16	111		885		111-HT
Hollup	Hollup 305	Sureweld B or BP	Sureweld CB	Sureweld N, G or NM	Sureweld CN or UE			Sureweld FD	Sureweld A	Sureweld MLY-50	7016	Sureweld MLY-A
Lincoln	Stable-Arc	Fleetweld 5 or 5V Lightweld	Fleetweld 35	Fleetweld 7	Fleetweld 37 or 47 Planeweld 2		LH-70	Fleetweld 11		Shieldarc 85		Fleetweld 11HT
Marquette		No. 105	No. 130 or 140	No. 120	No. 151			No. 115				
McKay	21	15 or 15D	11	17 or 116	24	Puralloy 70		20	18	715		720
Metal and Thermit[3]	Sulcoat	Type R	Type A	Genex or Genex M	Type U or Alternex		Type HTS	Type FHP or Type D		Molex		Type DM
Page	B Rust Lime				Hi-Tensile G	Hi-Tensile M						
Reid-Avery[4]	D or Blue Label	7	11	8	13	Ferritic	16	20	5	74		64
Shober Sales		32	33	34	35	LH-37		66				
A. O. Smith		SW 10	SW 14	SW 11 or 17	SW 15 or 16		SW 64	SW 35	SW 20	SW 75		SW 76 or 78
Westinghouse	18 Sulcoat	AP	ACP	FD or FD-2	SW or SW-2	LoH		DH	DH	AP-MO		DH-MO
Wilson	17 or 18	98 or 98N	530	107 or 109	520 or 520A		512	105 or 106		Alloy Rod A		Alloy Rod B

*Trade name or Type No. is usually prefixed by company name.
V = vertical, F = flat, OH = overhead, H = horizontal, H-Fillet = horizontal fillet. [1]Airco prefix. [2]Weld-Arc. [3]Murex. [4]Raco prefix.

Trade Names of Resistance-Welding Electrode Alloys and RWMA Specifications

RWMA Types	GROUP A: COPPER-BASE ALLOYS					GROUP B: COPPER-TUNGSTEN ALLOYS			
	Class 1	Class 2	Class 3	Class 4	Class 5	Class 10	Class 11	Class 12	Class 13
AMPCO[1]	Ampcoloy 99	Ampcoloy 97	Ampcoloy 95N	Ampcoloy 86-20	Ampcoloy 92	Ampcoloy 3W1	Ampcoloy 3W10	Ampcoloy 3W20	Ampcoloy W100
ELECTROLOY[2]	Electroloy A	Electroloy XX	Electroloy TX	Electroloy B	Electroloy Molin 2	Electroloy 1	Electroloy 10	Electroloy 20	Electroloy 100
MALLORY[3]	Elkaloy A	Mallory 3	Mallory 100	Mallory 73	Elkaloy D	Elkonite 1W3	Elkonite 10W3	Elkonite 20W3	Elkonite 100W
S-M-S[4]	Alloy 101	Alloy 103	Alloy W-5	Alloy W-2	Alloy 116	Elkonite Alloy 1	Elkonite Alloy 10	Elkonite Alloy 20	Elkonite Alloy 100W
TIPALOY[5]	Tipaloy 100	Tipaloy 130	Tipaloy 200	Tipaloy T2	Tipaloy T116	Tipaloy 1	Tipaloy 10	Tipaloy 20	Tipaloy 100W
WELDALOY[6]	Weldaloy 10	Weldaloy 20	Weldaloy 30	Weldaloy 40	Weldaloy 50	Weldtung 10CT8	Weldtung 20CT	Weldtung 30CT	Weldaloy W
WEIGER WEED[7]	WW-1	WW-2	WW-3	WW-7	WW-8	WW-1W	WW-10W	WW-20W	WW-100W
WELDING SALES[8]	Tuffaloy 88	Tuffaloy 77	Tuffaloy 55	Tuffaloy 44	Tuffaloy 66	Tuffaloy 1W-3	Tuffaloy 10W3	Tuffaloy 20W-3	Tuffaloy 100W
AVAILABILITY	Bars Forgings	Bars Forgings Castings	Bars Forgings Castings	Bars Forgings Castings	Castings	Bars Inserts	Bars Inserts	Bars Inserts	Bars Inserts

[1]Ampco Metal, Inc., 1745 S. 38th St., Milwaukee 4.

[2]The Electroloy Co., 1600 Seaview, Bridgeport 8, Conn.

[3]P. R. Mallory & Co., Inc., 3029 E. Washington Ave., Indianapolis 6

[4]S-M-S Corp., 1165 Harper Ave., Detroit 11

[5]Tipaloy, Inc., 1435 E. Milwaukee Ave., Detroit 11

[6]Weldaloy Products Co., 2323 E. Nine Mile Road Hazel Park, Mich.

[7]Weiger Weed & Co., Div. of Fansteel Metallurgical Corp. 11644 Cloverdale Ave., Detroit 4

[8]Welding Sales & Engineering Co., 8750 Grinnell Ave., Detroit 13

CLASSIFIED LIST

OF WELDING APPARATUS, EQUIPMENT, TOOLS AND SUPPLIES, AND MANUFACTURERS THEREOF.

IN this section products are listed alphabetically and constitute the headings. Under each heading are listed (again alphabetically) the names of manufacturers of the product referred to, together with the cities in which their main offices or general sales offices are established.

In the great majority of cases product headings are arranged alphabetically according to the noun, with the descriptive adjective or adjectives, where there are any, following, for instance, "Electrodes, Aluminum" and "Positioners, Welding." In a comparatively few cases, for reasons considered logical, products are arranged alphabetically according to the descriptive adjective. While we have used cross references extensively there may be cases where they have been inadvertently omitted. Therefore, we would advise the directory user, if he does not find a certain product listed according to the noun and there is no cross reference to turn to the place where the item would appear if listed according to the descriptive adjective.

ABRASIVES

(See also: "Emery and Other Abrasives," "Coated Abrasives—Emery, Garnet, Silicon Carbide, Aluminous Oxide, Paper and Cloths," "Belts, Abrasive," "Discs, Abrasive," "Stones, Rubbing and Sharpening," "Wheels, Grinding," "Bricks and Sticks, Abrasive," "Grains, Abrasive," "Sandpaper," etc.)

Abrasive Products, Inc., So. Braintree, Mass.
Aluminum Company of America, Pittsburgh, Pa.
Atlantic Abrasive Corp., So. Braintree, Mass.
Bates Products, Inc., Chicago, Ill.
Bay State Abrasive Products Co., Westboro, Mass.
Behr-Manning Corp., Troy, N. Y.
Carborundum Co., The, Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Cortland Grinding Wheels Corp., Chester, Mass.
Desanno, A. P., & Son, Inc., Phoenixville, Pa.
Divine Brothers Co., Utica, N. Y.
E. I. DuPont de Nemours & Co., Inc., Wilmington, Del.
Fibre Abrasive Corp., Chicago, Ill.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Linde Air Products Co., The, Div. of Union Carbide and Carbon Corp., New York, N. Y.
Macklin Co., Jackson, Mich.
Manhattan Rubber Mfg. Div. of Raybestos-Manhattan, Inc., Passaic, N. J.
Michigan Abrasive Co., Detroit, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Minnesota Mining and Mfg. Co., St. Paul, Minn.
Norton Co., Worcester, Mass.
Roberts Rubber Co., Welden, Newark, N. J.
Safety Grinding Wheel & Machine Co., Springfield, Ohio
Simonds Abrasive Co., Tacony and Fraley Sts., Philadelphia, Pa.
Simonds Worden White Co., Dayton, Ohio
Sterling Grinding Wheel Div., Broad St., Tiffin, Ohio
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
United States Steel Supply Co., Chicago, Ill.
Universal Wheel & Abrasive Corp., Chicago, Ill.

ABRASIVE BELTS

Abrasive Products, Inc., So. Braintree, Mass.
Armour & Co., Coated Abrasives Div., Chicago, Ill.
Atlas Abrasives Corp., Brooklyn, N. Y.
Behr-Manning Corp., Troy, N. Y.
Carborundum Co., The Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Michigan Abrasive Co., Detroit, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Minnesota Mining and Mfg. Co., St. Paul, Minn.

3M ABRASIVE BELTS CUT COSTS, LAST LONGER, BOOST OUTPUT

Three-M-lte Resin Bond Cloth Belts give extra strength, durability, heat resistance needed for tough grinding jobs.

HERE ARE ACTUAL CASE HISTORIES:

1. Rough grinding 70% brass alloy. Previous method—maximum belt life 4 hours 25 minutes. 3M method—average belt life 13 hours 30 min.

2. Deburring case hardened steel—bicycle gear teeth. Previous method—110 pieces per belt. 3M method—385 pieces per belt.

3. Cutting down welds on steel tubing. Previous method—36 pieces per belt. 3M method—120 pieces per belt.

3M ABRASIVES

See about making savings like this in your own plant. Ask your jobber or write 3M Company, Dept. WE.

Made in U.S.A. by MINNESOTA MINING & MFG. CO., St. Paul 6, Minn., also makers of "Scotch" Brand Pressure-sensitive Tapes, "Scotch" Sound Recording Tape, "Underseal" Rubberized Coating, "Scotchlite" Reflective Sheeting, "Safety-Walk" Non-Slip Surfacing, "3M" Adhesives. *General Export:* Durex Abrasives Corp., *New Rochelle, N. Y. In Canada:* Canadian Durex Abrasives Ltd., *Brantford, Ontario*

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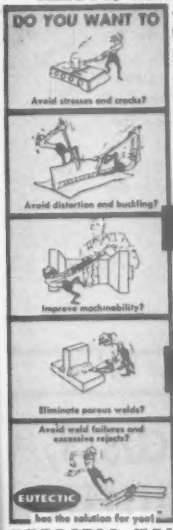

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Ryman Engineering Co., Inc., Elwood City, Pa.
Tinkote Co., Revere, Mass.
Universal Wheel & Abrasive Corp. ,Chicago, Ill.
Victor Balata & Textile Belting Co., New York, N. Y.

ABRASIVES, Rubber

Carborundum Co., The, Niagara Falls, N. Y.
Cratex Manufacturing Co., San Francisco, Calif.
Desanno, A. P., & Son, Inc., Phoenixville, Pa.
Ideal Industries, Inc., Sycamore, Ill.
Minnesota Mining and Mfg. Co., St. Paul, Minn.
Raybestos-Manhattan, Inc., Passaic, N. J.
Sandusky Abrasive Wheel Co., Kalamazoo, Mich.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Weldon Roberts Rubber Co., Brightboy Industrial Div., Newark, N. J.

A-C WELDERS

(See: Welders, Arc, A-C)

ACETYLENE GAUGES

(See: "Gauges, Oxygen & Acetylene")

ACETYLENE GENERATORS

(See: "Generators, Acetylene")

ACETYLENE, Dissolved

A. A. Welding Supply Co., Chicago, Ill.
Acetylene Co. of Utah, Salt Lake City, Utah
Acetylene Service Co., Denver, Colo.
Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
American Compressed Gas Products, Inc., Ft. Wayne, Ind.
American Oxygen Service Corp., Harrison, N. J.
Balbach Co., The, Omaha, Neb.
Buckeye Oxygen Co., Canton, O.
Burdett Oxygen Co., The, Cleveland, Ohio
Corpus Christi Oxygen Co., Corpus Christi, Texas
Denver Oxygen Co., Inc., The, Denver, Colo.
Houston Oxygen Co., Houston, Tex.
Independent Engineering Co., O'Fallon, Ill.
Indiana Oxygen Co., Indianapolis, Ind.
Industrial Air Products Co., Portland, Ore.
Kansas Oxygen Div., Krause Plow Corp., Hutchinson, Kansas
Linde Air Products Co., The, Unit of Union Carbide Carbon Corp., New York City.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Meco Welding Supply Co., Chicago, Ill.
Mitchell Supply Co., Minneapolis 11, Minn.
Modern Engrg. Co., Inc., St. Louis, Mo.
National Welders Supply Co., Charlotte, N. C.
New England Gas Products, Inc., Charlestown, Mass.
Oklahoma Oxygen Co., Tulsa, Okla.
Oxweld Railroad Service Co., Unit of Union Carbide Carbon Corp., Chicago, Ill.
Pacific Acetylene Co., San Diego, Calif.
Pacific Oxygen Co., Oakland, Calif.
Smith Welding Equipment Corp., Minneapolis, Minn.
Sierra Oxygen Co., Reno, Nevada
Southern Oxygen Co., Washington, D. C.
Steele Gases, Inc., Chicago, Ill.
Superior Industrial Gas Corp., Astoria, N. Y.
Valley Oxygen Co., Bay City, Mich.
Welding Gas Products Co., Chattanooga, Tenn.
West Texas Oxygen Co., Lubbock, Tex.
Wolverine Gas Products, Inc., Saginaw, Mich.

ADAPTERS

(See: Cables, Resistance Welding)

ADAPTERS, Acetylene Regulator

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Goss Gas, Inc., Pittsburgh, Pa.
Harris Calorific Co., The, Cleveland, Ohio
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
K-G Welding & Cutting Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Metro Manufacturing Co., Long Island City, N. Y.
Miliburn, Inc., Alexander, Baltimore, Md.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Nagelsinger, J. & Son, Inc., New York, N. Y.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Sight Feed Generator Co., West Alexandria, Ohio
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Superior Valve & Fittings Co., Pittsburgh, Pa.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

AIR FILTER

(See: "Filters, Welder")

AIRLINE FILTERS

(See: "Filters, Airline")

Bastian-Blessing Co., The, Chicago, Ill.
Cleo Div., Reed Roller Bit Co., Houston, Texas

AIR LINE FITTINGS

Aro Equipment Corp., Bryan, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Daliett Co., The, Philadelphia, Pa.
DeVilbiss Co., The, Toledo, Ohio
Dixon Valve & Coupling Co., Philadelphia, Pa.
Hose Accessories Co., Philadelphia, Pa.
Hunt, C. B., & Son, Salem, Ohio
Knox Mfg. Co., Philadelphia, Pa.
Lincoln Engineering Co., St. Louis, Mo.
Lunkenheimer Co., The, Cincinnati, Ohio
Mulconroy Co., Philadelphia, Pa.
Paasche Airbrush Co., Chicago, Ill.
Schrader's, A., Son, Div. of Scovill Mfg. Co., Inc., Brooklyn, N. Y.
Stewart-Warner Corp., Alemite Div., Chicago, Ill.
Weatherhead Company, The, Cleveland, Ohio

AIRLINE LUBRICATORS

(See: "Lubricators, Airline")

ALLOYS BRAZING

(See: "Brazing Alloys")

ALLOYS, Hard Facing

(See "Electrodes, Hard Facing" or "Welding Rods, Hard Facing")

ALLOYS, Paste Type for Brazing and Soldering

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Aluminum Company of America, Pittsburgh, Pa.
American Silver Co., Inc., Flushing, N. Y.
Belmont Smelting Refining Wks., Inc., Brooklyn, N. Y.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fusion Engineering Co., Cleveland, Ohio
Handy & Harman, New York, N. Y.
United Wire & Supply Corp., Cranston, R. I.

ALLOYS, Powder, Welding

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Aluminum Company of America, Pittsburgh, Pa.
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Arc Welding Supply Co., Bronx, N. Y.
Cleveland Precision Ring & Prod. Co., Cleveland, Ohio
Lincoln Electric Co., Cleveland, Ohio
McCauley Alloy Sales Co., Chicago, Ill.
Powder Weld Process Co., The, Brooklyn, N. Y.
Sherman & Co., Flushing, N. Y.
Sight Feed Generator Co., West Alexandria, Ohio
Steel Sales Corp., Chicago, Ill.
United Wire & Supply Corp., Cranston, R. I.
Victor Equipment Co., San Francisco, Calif.
Wall Colmonoy Corp., Detroit, Mich.

ALLOYS, Silver Brazing

(See: "Silver Brazing Alloys")

ALUMINUM ELECTRODES

(See: "Electrodes, Aluminum")

ALUMINUM—Granulated, Ingots and Solder, Etc.

Allen, L. B., Co., Inc., Chicago, Ill.
Aluminum Company of America, Pittsburgh, Pa.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y. (All)
Flux-All Chemical Products, New York, N. Y.
Johnson Mfg. Co., Inc., Mount Vernon, Iowa
Kester Solder Co., Chicago, Ill. (Solder)
Reynolds Metals Co., Louisville, Ky.
Swiss Laboratory, Cleveland, Ohio

ALUMINUM, Sheets, Plates, Structural Shapes, Extrusions, Etc.

Aluminum Company of America, Pittsburgh, Pa.
Bissett Steel Co., The, Cleveland, Ohio
Blum, Julius & Co., Inc., New York, N. Y.
Braun, J. G., Co., Chicago, Ill.
Central Steel and Wire Co., Chicago, Ill.
Colonial Alloys Co., Philadelphia, Pa.
Revere Copper & Brass Inc., New York, N. Y.
Reynolds Metals Co., Louisville, Ky.
Steel Sales Corp., Chicago, Ill.

ALUMINUM WELDING ROD

(See: "Welding Rods, Aluminum")

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Aluminum Co. of America, Pittsburgh, Pa.
Colonial Alloys Co., Philadelphia, Pa.
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(See "Compounds, Anti-Fog")

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Fisher & Morris (Eagle Anvil Works), Trenton, N. J.
Illinois Iron & Bolt Co., Carpentersville, Ill.

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Columbus Anvil & Forging Co., The, Columbus, Ohio (Wrought)
Fisher & Norris (Eagle Anvil Works), Trenton, N. J.
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APPLICATOR BARS

(See: "Bars, Applicator")

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Chicago Eye Shield Co., Chicago, Ill.
Eastern Equip. Co., Inc., Willow Grove, Pa.
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Industrial Products Co., Philadelphia, Pa.
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Johns-Manville, New York, N. Y.
Keasby & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
McDonald, B. F. Co., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

APRONS, Fire Resistant Duck

Advance Glove Mfg. Co., Detroit, Mich.
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American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., The, Detroit, Mich.
Chicago Eye Shield Co., Chicago, Ill.
Daniels, C. R., Inc., Daniels, Md.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
McDonald, B. F., Co., Los Angeles, Calif.
Milburn Co., The, Detroit, Mich.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

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Boyer-Campbell Co., The, Detroit, Mich.
Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Bond, Charles, Co., Philadelphia, Pa.
Chicago Eye Shield Co., Chicago, Ill.
Chicago Rawhide Mfg. Co., The, Chicago, Ill.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equipment Co., Philadelphia, Pa.
Graton & Knight Co., Worcester, Mass.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
McDonald, B. F., Co., Los Angeles, Calif.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
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Tillman & Co., John, Long Beach, Calif.
Wheeler Protective Apparel, Inc., Chicago, Ill.
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(See: "Cutting Apparatus, Arc Oxygen")

ARC STABILIZERS

(See: "Stabilizers, Arc")

ARC TIME TOTALIZER

(See: Totalizer, Arc Time")

ARC TORCHES

(See: "Torches, Carbon Arc")

ARC WELDERS, A-C

(See: "Welders, Arc, A-C")

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Air Reduction Sales Co., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Buckeye Oxygen Co., Canton, Ohio
Burdett Oxygen Co., Cleveland, Ohio
Commercial Gas Corp., Wilkes-Barre, Pa.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
New England Gas Products, Inc., Charlestown, Mass.
Oxweld Railroad Service Co., The, Chicago, Ill.
Superior Industrial Gas Corp., Astoria, N. Y.

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Air Reduction Sales Co., New York, N. Y.
Carey, Philip, Mfg. Co., Cincinnati, Ohio
Greene, Tweed & Co., North Wales, Pa.
Janos Asbestos Co., New York, N. Y.
Johns-Manville Corp., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Raybestos-Manhattan, Inc., Passaic, N. J.

AUTOMATIC TIMERS

(See: "Timers, Resistance Welding")

BABBITT METAL

(See: "Metal Babbitt")

BAND SAW WELDERS

(See: "Welders, Band Saw")

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U. S. Steel Supply Co., Chicago, Ill.

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O. K. I. Welding Supply Co., Cincinnati, Ohio
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(See: "Welders, Bench")

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Standard Pressed Steel Co., Jenkintown, Pa.

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Duro Metal Products Co., Chicago, Ill.
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Imperial Brass Manufacturing Co., The, Chicago, Ill.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Parker Appliance Co., Inc., The, Cleveland, Ohio
Pedrick Tool & Machine Co., Philadelphia, Pa.
Plomb Tool Co., Los Angeles, Calif.
Ryerson, Joseph T., & Sons, Inc., Chicago, Ill.
Tal Bender, Inc., Milwaukee, Wis.
Templeton, Kenly & Co., Chicago, Ill.
Toledo Pipe Threading Machine Co., The, Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Wallace Supplies Mfg. Co., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.
Weatherhead Co., The, Cleveland, Ohio

BENDING BRAKES

(See: "Brakes, Bending")

BENDING MACHINES, Pipe

(See: "Machines, Bending, Pipe")

BENDING ROLLS

(See: "Rolls, Bending")

BLOCKS, Chain

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Chester Hoist Co., Lisbon, Ohio
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Coffing Hoist Co., Danville, Ill.
Ford Chain Block Division of American Chain & Cable Co., Inc., Philadelphia, Pa.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Division, Muskegon, Mich.
Reading Chain & Block Corp., Reading, Pa.
Robbins & Myers, Inc., Hoist & Crane Division, Springfield, Ohio
Round, David, & Son, Cleveland, Ohio
Sasgen Derrick Co., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Wright Mfg. Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

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(See: "Torches, Brazing")

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Champion Blower & Forge Co., Lancaster, Pa.
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Coppus Engineering Corp., Worcester, Mass.
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General Blower Co., Morton Grove, Ill.
Ilg Electric Ventilating Co., Chicago, Ill.
Jeffrey Manufacturing Co., The, Columbus, Ohio
Joy Mfg. Co., Pittsburgh, Pa.
Mine Safety Appliances Co., Pittsburgh, Pa.
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Paasche Airbrush Co., Chicago, Ill.
Skilsaw, Inc., Chicago, Ill.
Trane Co., The, LaCrosse, Wis.
United Blower Co., Inc., New York, N. Y.

BOOKS, Technical

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American Society of Mechanical Engineers, New York, N. Y.
American Welding Society, New York, N. Y.
Bennett, Charles A., Co., Peoria, Ill.
Bruce Publishing Co., Milwaukee, Wis.
Cornell Maritime Press, Cambridge, Md.
Drake, Frederick, J. & Co., Wilmette, Ill.
General Electric Co., Schenectady, N. Y.
Goodheart-Willcox Co., Chicago, Ill.
Henley, Norman W., Publishing Co., The, New York, N. Y.
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Macmillan Co., The, New York, N. Y.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
Manual Arts Press, Peoria, Ill.
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Pitman Publishing Corp., New York, N. Y.
Reinhold Publishing Corp., New York, N. Y.
Resistance Welder Manufacturers' Association, Philadelphia, Pa.
Reynolds Metals Co., Louisville, Ky.
Van Nostrand, D., Co., Inc., New York, N. Y.
Welding Encyclopedia, The, New York, N. Y.
Welding Engineer, The, New York, N. Y.
Westinghouse Electric Corp., Pittsburgh, Pa.
Wiley, John & Sons, Inc., New York, N. Y.

BOOTHS, Portable Welding

Fibre Metal Products Co., The, Chester, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
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BRACKETS, BOLTS & NUTS, RESISTANCE-WELDING

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Republic Steel Corp., Cleveland, Ohio

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Ryerson, Joseph T., & Sons, Inc., Chicago, Ill.
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(See: "Welders, Band Saw")

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(See: "Machines, Brazing, Gas")

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Massillon Refractories Co., The, Massillon, Ohio
Mexico Refractories Co., Mexico, Mo.
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Massillon Refractories Co., The, Massillon, Ohio
Mexico Refractories Co., Mexico, Mo.
North American Refractories Co., Cleveland, Ohio
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Simonds Abrasive Co., Philadelphia, Pa.
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Phosphor-Bronze Co., The, Seymour, Conn.
Revere Copper & Brass, Inc., New York, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
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Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Phosphor Bronze Co., The, Seymour, Conn.
Turner Brass Works, The., Sycamore, Ill.
Wagner Mfg. Co., Inc., Jackson, Miss.

BRUSHES (Motor, Generator)

Arc Welding Supply Co., Bronx, N. Y.
Becker Bros. Carbon Co., Cicero, Ill.
Joseph Dixon Crucible Co., Jersey City
Hobart Bros. Co., Troy, Ohio
Keystone Carbon Co., Inc., St. Marys, Pa.
Lincoln Electric Co., The, Cleveland, Ohio.
National Carbon Div., Union Carbide and Carbon Corp., New York, N. Y.
Ohio Carbon Co., Cleveland, Ohio
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
Superior Carbon Products, Inc., Cleveland, Ohio

BRUSHES, Rotary Wire

Anderson Corp., Worcester, Mass.
Arcos Corp., Philadelphia, Pa.
Black & Decker Mfg. Co., The, Towson, Md.
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y
Manufacturers Brush Co., The, Cleveland, Ohio
Milwaukee Brush Mfg. Co., The, Milwaukee, Wis.
Osborn Mfg. Co., Cleveland, Ohio
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md
Stow Mfg. Co., Binghamton, N. Y.
Swiss Laboratory, Cleveland, Ohio
Van Dorn Electric Tool Co., The, Towson, Md.

BRUSHES, Scratch

(See: "Brushes, Weld-Cleaning")

BRUSHES, Weld-Cleaning

Air Reduction Sales Co., New York, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
Andersen Corp., Worcester, Mass.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Atlas Welding Accessories Co., Ferndale, Mich.
Bernard Welding Equipment Co., Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Fibre-Metal Products Co., The, Chester, Pa.
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Industrial Products Co., Philadelphia, Pa.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Manufacturers Brush Co., The, Cleveland, Ohio
Marquette Mfg. Co., Minneapolis, Minn.
Milwaukee Brush Mfg. Co., The, Milwaukee, Wis.

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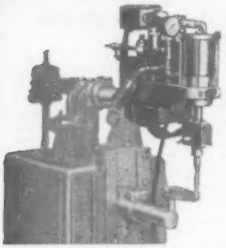

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Precision Welder Mfg. Co., Chicago, Ill.
Rotor Tool Co., Cleveland, Ohio
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Van Dorn Electric Co., The, Towson, Md.
Williams & Co., Inc., Pittsburgh, Pa.

BRUSHES, Wheel, Wire

Anderson Corp., Worcester, Mass.
Arcos Corp., Philadelphia, Pa.
Black & Decker Mfg. Co., The, Towson, Md.
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Manufacturers Brush Co., The, Cleveland, Ohio
Milwaukee Brush Manufacturing Co., The, Milwaukee, Wis.
Osborn Manufacturing Co., Cleveland, Ohio
Pittsburgh Plate Glass Co., Brush Division, Baltimore, Md.
Skilsaw, Inc., Chicago, Ill.
Solo-Horton Brush Co., Inc., New York, N. Y.
Swiss Laboratory, Cleveland, Ohio
United States Electric Tool Co., The, Cincinnati, Ohio
Van Dorn Electric Tool Co., The, Towson, Md.

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BRUSHES, Wire, Hand

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Arc Welding Supply Co., Bronx, N. Y.
Arcos Corp., Philadelphia, Pa.
Atlas Welding Accessories Co., Ferndale, Mich.
Dockson Corporation, Detroit, Mich.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Manufacturers Brush Co., The, Cleveland, Ohio
Milwaukee Brush Manufacturing Co., The, Milwaukee, Wis.
Osborn Manufacturing Co., Cleveland, Ohio
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Precision Welder Mfg. Co., Chicago, Ill.
Solo-Horton Brush Co., Inc., New York, N. Y.
Swiss Laboratory, Cleveland, Ohio
Williams & Co., Inc., Pittsburgh, Pa.

BRUSHES, Wire Cup, Power

Anderson Corp., Worcester, Mass.
Arcos Corp., Philadelphia, Pa.
Black & Decker Mfg. Co., The, Towson, Md.
Mall Tool Co., Chicago, Ill.
Manufacturers Brush Co., The, Cleveland, Ohio
Milwaukee Brush Manufacturing Co., The, Milwaukee, Wis.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Osborn Mfg. Co., Cleveland, Ohio
Pittsburgh Plate Glass Co., Brush Div., Baltimore, Md.
Rotor Tool Co., Cleveland, Ohio
Skilsaw, Inc., Chicago, Ill.
Solo-Horton Brush Co., Inc., New York, N. Y.
Stanley Electric Tool Division, The Stanley Works, New Britain, Conn.
Universal Welder Corp., Cleveland, Ohio
Van Dorn Electric Tool Co., The, Towson, Md.

BUFFER-GRINDER, Combination

Baldor Electric Co., St. Louis, Mo.
Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Carborundum Co., The, Niagara Falls, N. Y.
Cincinnati Electric Tool Co., The, Cincinnati, Ohio
Delta Power Tool Division of Rockwell Mfg. Co., Milwaukee, Wis.
Divine Brothers Co., Utica, N. Y.
Duro Metal Products Co., Chicago, Ill.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Haskins, R. G., Co., Chicago, Ill.
Hobart Brothers Co., Troy, Ohio
Mall Tool Co., Chicago, Ill.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Rotor Tool Co., Cleveland, Ohio
Skilsaw, Inc., Chicago, Ill.
Standard Electrical Tool Co., The, Cincinnati, Ohio
Stow Mfg. Co., Binghamton, N. Y.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Tool Co., Towson,, Md.

BURNERS, Annealing and Preheating, Etc.

Eclipse Fuel Engineering Co., Rockford, Ill.
Hauck Manufacturing Co., Brooklyn, N. Y.
Hones, Charles A., Inc., Baldwin, L. I.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Macleod Co., The, Cincinnati, Ohio
Mahr Mfg. Co., Div. Diamond Iron Wks., Minn, Minn.
Modern Eng. Co., Inc., St. Louis, Mo.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Selas Corp. of America, Philadelphia, Pa.
Surface Combustion Corp., Toledo, Ohio

BURNERS, Gas-Air

Bastian-Blessing Co., The, Chicago, Ill.
Eclipse Fuel Engineering Co., Rockford, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Gas Appliance Service, Inc., Chicago, Ill.
Goss Gas, Inc., Pittsburgh, Pa.
Hauck Manufacturing Co., Brooklyn, N. Y.
Hones, Charles A., Inc., Baldwin, L. I.
Lindberg Engineering Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mahr Mfg. Co., Div. Diamond Iron Wks., Minneapolis, Minn.
National Welding Equip. Co., San Francisco, Calif.
Purity Cylinder Gases, Inc., Grand Rapids, Mich.
Surface Combustion Corp., Toledo, Ohio
Weldit, Inc., Detroit, Mich.

BURNERS, Kerosene, Portable

Hauck Manufacturing Co., Brooklyn, N. Y.
Macleod Co., The, Cincinnati, Ohio
Mahr Mfg. Co., Div. Diamond Iron Wks., Minneapolis, Minn.
Sandvik Saw & Tool (Division of Sandvik Steel, Inc.), New York, N. Y.

BUTT WELDERS

(See: "Welders, Butt")

BUTT-WELDING ATTACHMENT

DoAll Co., The, Des Plaines, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Hoffman Co., Robt. W., Inc., Chicago, Ill.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Rex Welder & Engineering Co., Kansas City, Mo.
Stryco Mfg. Co., San Francisco, Calif.
Taylor-Winfield Corp., The, Warren, Ohio
Universal Welder Corp., Cleveland, Ohio

CABLE, Arc-Welding

Air Reduction Sales Co., New York, N. Y.
American Agile Corp., Cleveland, Ohio
Anaconda Wire & Cable Co., New York, N. Y.
Arc Welding Supply Co., Bronx, N. Y.
Belden Mfg. Co., Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Eagle Welding Equipment Co., Chicago, Ill.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Ergolyte Mfg. Co., Philadelphia, Pa.
Federal Telephone & Radio Corp., Newark, N. J.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Cable Corp., New York, N. Y.
General Electric Co., Schenectady, N. Y.
Hazard Insulated Wire Works, Div. of the Okonite Co., Wilkes-Barre, Pa.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Lincoln Electric Co., Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Miller Elec. Mfg. Co., The, Appleton, Wis.
National Cable Corp., Milwaukee, Wis.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Okonite Co., Passaic, N. J.
Phelps Dodge Copper Products Corp., New York, N. Y.
Plastic Wire & Cable Corp., The, Jewitt City, Conn.
Precision Welder Mfg. Co., Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Roebling's Son Co., John A., Trenton, N. J.
Rome Cable Corp., Rome, N. Y.
Simplex Wire & Cable Co., Cambridge, Mass.
Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
Trindl Products, Ltd., Chicago, Ill.
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Victor Electric Wire & Cable Corp., Clifton, N. J.
Victor Equipment Co., San Francisco, Calif.
Welding Cable Headquarters, Chicago, Ill.
Weldit, Inc., Detroit, Mich.

Western Insulated Wire Co., Los Angeles, Calif.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York.

CABLE, Resistance-Welding

Acro Welder Mfg. Co., Milwaukee, Wis.
Burdett Oxygen Co., Cleveland, Ohio
Federal Telephone & Radio Corp., Newark, N. J.
General Cable Corp., New York, N. Y.
General Electric Co., Schenectady, N. Y.
Hazard Insulated Wire Works, Div. of the Okonite Co., Wilkes-Barre, Pa.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Multi-Hydromatic Welding & Mfg. Co., E. Detroit, Mich.
National Electric Products Co., Pittsburgh, Pa.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Okonite Co., Passaic, N. J.
Phelps Dodge Copper Products Corp., New York, N. Y.
Plastic Wire & Cable Corp., The, Jewitt City, Conn.
Rees, Mackworth, G., Detroit, Mich.
Roebling's Sons Co., John A., Trenton, N. J.
Sciaky Bros., Chicago, Ill.
Swift Elec. Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio
Trindl Products, Ltd., Chicago, Ill.
United States Rubber Co., New York, N. Y.
Uniflex Cable Co., Detroit, Mich.
Universal Welder Corp., Cleveland, Ohio
Waltcus Mfg. Co., Chicago, Ill.
Welding Machines Mfg. Co., Detroit, Mich.
Western Insulated Wire Co., Los Angeles, Calif.

CABLES, Welding, Power

American Oxygen Service Corp., Harrison, N. J.
American Steel and Wire Co., Cleveland, Ohio
Anaconda Wire & Cable Co., New York, N. Y.
Arc Welding Supply Co., Bronx, N. Y.
Belden Mfg. Co., Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Collyer Insulated Wire Co., Inc., Pawtucket, R. I.
Eagle Welding Equipment Co., Chicago, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Cable Corp., New York, N. Y.
General Electric Co., Schenectady, N. Y.
Hazard Insulated Wire Works, Div. of the Okonite Co., Wilkes-Barre, Pa.
Industrial Air Prod. Co., Portland, Ore.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
National Cable Corp., Milwaukee, Wis.
Okonite Co., The, Passaic, N. J.
Phelps Dodge Copper Products Corp., New York, N. Y.
Plastic Wire & Cable Corp., The, Jewitt City, Conn.
Precision Welder Mfg Co., Chicago, Ill.
Roebling's Sons Co., John A., Trenton, N. J.
Rome Cable Corp., Rome, N. Y.
Simplex Wire & Cable Co., Cambridge, Mass.
Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
Trindl Products, Ltd., Chicago, Ill.
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Victor Electric Wire & Cable Corp., Clifton, N. J.
Western Insulated Wire Co., Los Angeles, Calif.
Williams & Co., Inc., Pittsburgh, Pa.

CAPACITORS, Energy Storage

Aerovox Corp., New Bedford, Mass.
Cornell-Dubilier Elec. Co., S. Plainfield, N. J.
Deutschman Corp., Canton, Mass.
General Electric Co., Schenectady, N. Y.
Mallory, P. R., Co., Indianapolis, Ind.
Westinghouse Electric Corp., Pittsburgh, Pa.

CAPACITORS, Power Factor Correction

Aerovox Corp., New Bedford, Mass.
Cornell-Dubilier Elec. Co., S. Plainfield, N. J.
Deutschman Corp., Canton, Mass.
General Electric Co., Schenectady, N. Y.
Mallory, P. R., Co., Indianapolis, Ind.
Trindl Products, Ltd., Chicago, Ill.
Westinghouse Electric Corp., Pittsburgh, Pa.

CAPE, Bib & Sleeve, Asbestos

Advance Glove Mfg. Co., Detroit, Mich.
Aljay Manufacturing Co., Inc., Philadelphia, Pa.
Boyer-Campbell Co., The, Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Johns-Manville, New York, N. Y.
Keasby & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Wheeler Protective Apparel, Inc., Chicago, Ill.

CAPE, Bib & Sleeve, Fire Resistant Duck

Advance Glove Mfg. Co., Detroit, Mich.
Aljay Manufacturing Co., Inc., Philadelphia, Pa.
Boyer-Campbell Co., The, Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Johns-Manville, New York, N. Y.
Keasby & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Wheeler Protective Apparel, Inc., Chicago, Ill.

Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Universal Leather Co., Berlin, Wis.
Wheeler Protective Apparel, Inc., Chicago, Ill.

CAPE, Bib & Sleeve, Leather

Advance Glove Mfg. Co., Detroit, Mich.
Aljay Manufacturing Co., Inc., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., The, Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Streichert, E. J., Chicago, Ill.
Tillman & Co., John, Long Beach, Calif.
Wheeler Protective Apparel, Inc., Chicago, Ill.

CAPS, Cylinder

Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.

CAPS, Weldors

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
Boyer-Campbell Co., Detroit, Mich.
Champion Rivet Co., The, Cleveland, Ohio
Fibre-Metal Products Co., The, Chester, Pa.
Hobart Brothers Co., Troy, Ohio
Hollup Corp., Chicago, Ill.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Louisville Cap Co., Louisville, Ky.
Ragle Industries, J. M., Kansas City, Mo.
Safety Clothing & Equipment Co., Cleveland, Ohio
Westinghouse Electric Corp., Pittsburgh, Pa.
Wheeler Protective Apparel, Inc., Chicago, Ill.

CARBIDE, Calcium

Air Reduction Sales Co., New York, N. Y.
American Carbide & Chem. Co., St. Louis, Mo.
Burdett Oxygen Co., Cleveland, Ohio
Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
National Carbide Co., Div. of Air Reduction Co., Inc., New York, N. Y.
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Pacific Carbide & Alloys Co., Portland, Ore.
Shawinigan Products Corp., New York, N. Y.
Vascaloy-Ramet Corp., Waukegan, Ill.

CARBON (Blocks, Paste)

Air Reduction Sales Co., New York, N. Y.
Becker Bros. Carbon Co., Cicero, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Joseph Dixon Crucible Co., Jersey City, N. J.
Marquette Mfg. Co., Minneapolis, Minn.
National Carbon Div., Union Carbide & Carbon Corp., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
Oxweld Railroad Service Co., The, Chicago, Ill.
Pure Carbon Co., Inc., St. Marys, Pa.
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

CARBON ELECTRODES

(See: "Electrodes, Carbon-Arc")

CASES, Optical

Bausch & Lomb Optical Co., Rochester, N. Y.
Sellstrom Mfg. Co., Chicago, Ill.
Willson Products, Inc., Reading, Pa.

CAST-IRON ELECTRODES

(See: "Electrodes, Cast-Iron, Welding")

CAST-IRON WELDING ROD

(See: "Welding Rod, Cast-Iron, Welding")

CATALOGS COMPILED and PRINTED

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
Cuneo Press, Inc., The, Chicago, Ill.
Donnelley, R. R., & Sons Co., Chicago, Ill.
Lee, K. O., Co., Aberdeen, S. D.
North American Press, Milwaukee, Wis.
Photologue Pub. Co., Chicago, Ill.
Weinberg & McKee, Inc., Chicago, Ill.
Wisconsin Cuneo Press, Inc., Milwaukee, Wis.

CATALOGS, Welding, Compiled and Printed

Photologue Pub. Co., Chicago, Ill.

CEMENT, Fire Brick

Armstrong Cork Co., Building Material Div., Lancaster, Pa.
Botfield Refractories Co., Philadelphia, Pa.
Carborundum Co., The, Niagara Falls, N. Y.
Johns-Manville, New York, N. Y.
North American Refractories Co., Cleveland, Ohio
Norton Co., Worcester, Mass.

CEMENT, High Temperature

Armstrong Cork Co., Building Material Div., Lancaster, Pa.
Botfield Refractories Co., Philadelphia, Pa.
Carborundum Co., The, Niagara Falls, N. Y.
Eagle-Picher Co., The, Cincinnati, Ohio
Johns-Manville, New York, N. Y.
Laclede-Christy Co., St. Louis, Mo.
Mexico Refractories Co., Mexico, Mo.
North American Refractories Co., Cleveland, Ohio
Norton Co., Worcester, Mass.
Titanium Alloy Mfg. Div., National Lead Co., N. Y., N. Y.

CEMENT, Iron Repair

Hercules Chemical Co., Inc., New York, N. Y.
Smooth-on Mfg. Co., Jersey City, N. J.

CEMENT, Refractory

Armstrong Cork Co., Building Material Div., Lancaster, Pa.
Bay State Abrasive Products Co., Westboro, Mass.
Carey, Philip Mfg. Co., The, Cincinnati, Ohio
Dixon, Joseph, Crucible Co., Jersey City, N. J.
Eagle-Picher Co., The, Cincinnati, Ohio
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
General Refractories Co., Philadelphia, Pa.
Green, A. P., Fire Brick Co., Mexico, Mo.
Harbison-Walker Refractories Co., Pittsburgh, Pa.
Johns-Manville, New York, N. Y.
Key Co., East St. Louis, Ill.
Laclede-Christy Co., St. Louis, Mo.
Massillon Refractories Co., The Massillon, Ohio
Mexico Refractories Co., Mexico, Mo.
North American Refractories Co., Cleveland, Ohio
Norton Co., Worcester, Mass.
Quigley Co., Inc., New York, N. Y.
Smooth-on Manufacturing Co., Jersey City, N. J.

CEMENT, Welding

Wesley Lacquer Co., Brooklyn, N. Y.

CHAIN, Coil

American Chain Division of American Chain & Cable Co., Inc., York, Pa.
Bridgeport Chain & Mfg. Co., The, Bridgeport, Conn.
Cleveland Chain & Mfg. Co., The, Cleveland, Ohio
Columbus McKinnon Chain Corp., Tonawanda, N. Y.
International Chain & Mfg. Co., York, Pa.
Jeffrey Manufacturing Co., The, Columbus, Ohio
McKay Co., The, Pittsburgh, Pa.
Newhall Chain Forge & Iron Co., Westwood, N. J.
Ryerson, Joseph T., & Sons, Inc., Chicago, Ill.
Taylor, S. G., Chain Co., Hammond, Ind.
U. S. Steel Supply Co., Chicago, Ill.
Western Chain Co., Chicago, Ill.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

CHAIN, Hoist

American Chain Division of American Chain & Cable Co., Inc., York, Pa.
Chain Belt Co., Milwaukee, Wis.
Chester Hoist Co., Lisbon, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Coffing Hoist Co., Danville, Ill.
Columbus McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Ford Chain Block Division of American Chain & Cable Co., Inc., Philadelphia, Pa.
International Chain & Mfg. Co., York, Pa.
Jeffrey Mfg. Co., The, Columbus, Ohio
Link-Belt Co., Atlanta Plant, Atlanta; Pershing Road Plant, Chicago; Dallas Plant, Dallas; Ewart Plant, Indianapolis; Minneapolis; Philadelphia; Pacific Division, Los Angeles; San Francisco; Seattle.
McKay Co., The, Pittsburgh, Pa.
Newhall Chain Forge & Iron Co., Westwood, N. J.
Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Round, David, & Son, Cleveland, Ohio

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Sasgen Derrick Co., Chicago, Ill.
Taylor, S. G., Chain Co., Hammond, Ind.
U. S. Steel Supply Co., Chicago, Ill.
Wright Manufacturing Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

CHIPPERS and PICKS, Scaling

(See: "Hammer, Chipping & Scaling (Hand)")

CHISELS, Chipping, Hand

Atlas Welding Accessories Co., Detroit, Mich.
Bethlehem Steel Co., Bethlehem, Pa.
Bonney Forge & Tool Works, Allentown, Pa.
Cincinnati Tool Co., The, Cincinnati, Ohio
Dallett Co., The, Philadelphia, Pa.
Damascus Steel Products Corp., Rockford, Ill.
Leetonia Tool Co., The, Leetonia, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Millers Falls Co., Greenfield, Mass.
Plomb Tool Co., Los Angeles, Calif.
Quality Tools Corp., New Wilmington, Pa.
Stanley Tools, Division of The Stanley Works, New Britain, Conn.
Trindl Products, Ltd., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Williams, J. H. Co., Buffalo, N. Y.
Youngstown Welding & Engineering Co., Youngstown, Ohio

CHISELS, Chipping, Pneumatic and Electric Hammer

Bethlehem Steel Co., Bethlehem, Pa.
Black & Decker Mfg. Co., The, Towson, Md.
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div., Reed Roller Bit Co., Houston, Texas
Dallett Co., The, Philadelphia, Pa.
Damascus Steel Products Corp., Rockford, Ill.
Independent Pneumatic Tool Co., Aurora, Ill.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Millers Falls Co., Greenfield, Mass.
Oxford Tool Co., Philadelphia, Pa.
Precision Welder Mfg. Co., Chicago, Ill.
Quality Tools Corp., New Wilmington, Pa.
Rotor Tool Co., The, Cleveland, Ohio
Schramm, Inc., West Chester, Pa.
Skilsaw, Inc., Chicago, Ill.
Superior Pneumatic Division of Herband Tools, Cleveland, Ohio
Syntron Co., Homer City, Pa.
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., The, Towson, Md.
Wen-Lyn Products, Burbank, Calif.

CHISELS—Cold, Cape, Diamond Point and Round Nose

American Swiss File & Tool Co., Elizabeth, N. J.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., The, Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Cincinnati Tool Co., The, Cincinnati, Ohio
Cleco Div. of Reed Roller Bit Co., Houston, Texas
Crescent Tool Co., Jamestown, N. Y.
Dallett Co., The, Philadelphia, Pa.
Damascus Steel Products Corp., Rockford, Ill.
Duro Metal Products Co., Chicago, Ill.
Heller Brothers Company, Newark, N. J.
Kraeuter & Co., Inc., Newark, N. J.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Millers Falls Co., Greenfield, Mass.
Owatonna Tool Co., Owatonna, Minn.
Oxford Tool Co., Philadelphia, Pa.
Peck, Stow & Wilcox Co., The, Southampton, Conn. (Cold only)
Plomb Tool Co., Los Angeles, Calif.
Quality Tools Corp., New Wilmington, Pa.
Sandvik Saw & Tool (Division of Sandvik Steel Inc.), New York, N. Y.
Stanley Tools, Division of The Stanley Works, New Britain, Conn.
U. S. Steel Supply Co., Chicago, Ill.
Williams, J. H., & Co., Buffalo, N. Y.

CLAMPS, Adjustable

Adjustable Clamp Co., Chicago, Ill.
Bernard Welding Equipment Co., Chicago, Ill.
Billings & Spencer Co., The, Hartford, Conn.
Black Bros. Co., Inc., The, Mendota, Ill.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cincinnati Tool Co., The, Cincinnati, Ohio
General Electric Co., Schenectady, N. Y.
Grand Specialties Co., Chicago, Ill.
Lapeer Mfg. Co., Lapeer, Mich.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mechanics Engineering Co., Inc., Jackson, Mich.
Petersen Mfg. Co., Inc., DeWitt, Neb.
Roesch Tool Products, Los Angeles, Calif.
Sandvik Saw & Tool (Division of Sandvik Steel, Inc.), New York, N. Y.
Seymour Smith & Son, Inc., Oakville, Conn.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Siewek Tool Division of Domestic Industries, Inc., Detroit, Mich.
Syracuse Alloy Metals Co., Syracuse, N. Y.
Thermacote Co., Los Angeles, Calif.
U. S. Steel Supply Co., Chicago, Ill.

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WELD CLEANING TOOLS

14 MODELS

Solar steel heads • Induction hardened • Silver brazed steel handles • Metal or wood grips • Perfect balance.

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Williams, J. H., & Co., Buffalo, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

CLAMPS, Aligning

Adjustable Clamp Co., Chicago, Ill.
Bernard Welding Equipment Co., Chicago, Ill.
Eagle Welding Equipment Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Grand Specialties Co., Chicago, Ill.
Jewel Mfg. Co., St. Paul, Minn.
Lapeer Mfg. Co., Lapeer, Mich.
Petersen Mfg. Co., DeWitt, Neb.
Ragle Industries, J. M., Kansas City, Mo.
Siewak Tool Co., Detroit, Mich.
Skinner, M. B., Co., South Bend, Ind
Thermacote Co., Los Angeles, Calif.

CLAMPS, Body

Adjustable Clamp Co., Chicago, Ill.
Billings & Spencer Co., The, Hartford, Conn.
Black Bros. Co., Inc., The, Mendota, Ill.
Cincinnati Tool Co., The, Cincinnati, Ohio
Foster Aluminum Alloy Prod. Corp., Forestville, N. Y.
Grand Specialties Co., Chicago, Ill.
Wetzler Clamp Co., L. I. City, N. Y.
Williams, J. H., & Co., Buffalo, N. Y.
Wolverine Tool Co., Detroit, Mich.

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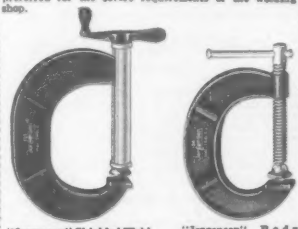
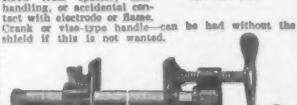
"Jorgensen" and "Pony"

"Jorgensen" I-Bar Clamps . . . built to last—preferred for the severe requirements of the welding shop.



"Jorgensen" Shielded Welders Clamps . . . the Steel Shield provides positive protection to the clamp screw from spatter, mishandling, or accidental contact with electrode or flame. Crank or vise-type handle—can be had without the shield if this is not wanted.

"Jorgensen" Body Clamps . . . extra strength for extra service—deep throat—low in cost.



"Pony" Steel Car Clamp Fixture . . . make the most useful and economical bar clamps on regular black pipe—any length.

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GROUND CLAMPS

Quality products, part of a group including Ground Clamps, Cable Connectors, Splicers and Lugs, all available in sizes No. 1, 2/0, and 4/0. Made by the makers of the popular quality line of Arc Welding Electrode Holders.

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WARREN, MICHIGAN

WELD WITH WAGNER WELDER'S GROUND CLAMPS

"500" Heavy Duty
"300" General Duty
"200" Light Duty

● Will take rough treatment — no replacements necessary. Broad, flat base provides maximum contact surface—and tapered to slide under flat plates . . . can be used on jobs inaccessible to use of regular clamps.

Sold only through welding supply distributors

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"Red Head"
WELDING CLAMPS

● Designed for Welding ●

Made to take abuse

1. Threads are always protected from weld spatter, and never exposed to damage in open or closed position.

2. The clamp body is cut from a solid plate and heat treated to give greater resistance to bending or twisting.

3. Heat treated chrome molybdenum alloy handle offers great resistance to bending.

23 STOCK SIZES

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Blackhawk Mfg. Co., Milwaukee, Wis.
Bonney Forge & Tool Works, Allentown, Pa.
Chicago Boiler Co., Chicago, Ill.
Cincinnati Tool Co., The, Cincinnati, Ohio
Duro Metal Products Co., Chicago, Ill.
Foster Aluminum Alloy Prod. Corp., Forestville, N. Y.
General Electric Co., Schenectady, N. Y.
Grand Specialties Co., Chicago, Ill.
Hobart Brothers Co., Troy, Ohio
Lapeer Mfg. Co., Lapeer, Mich.
Mechanics Engineering Co., Jackson, Mich.
Precision Welder Mfg. Co., Chicago, Ill.
Syracuse Alloy Metals Corp., Syracuse, N. Y.
Trindl Products, Ltd., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Williams, J. H., & Co., Buffalo, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilton Tool Mfg. Co., Chicago, Ill.

CLAMPS, Ground

Adjustable Clamp Co., Chicago, Ill.
American Agile Corp., Cleveland, Ohio
Albert & J. M. Anderson Mfg. Co., S. Boston, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Armstrong Bros. Tool Co., Chicago, Ill.
Burndy Engineering Co., Inc., New York, N. Y.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio
Erico Products, Inc., Cleveland, Ohio
Fibre-Metal Prod. Co., Chester, Pa.
General Electric Co., Schenectady, N. Y.
Grand Specialties Co., Chicago, Ill.
Har-Worth Mfg. Co., Sherwood, Ore.
Hobart Brothers Co., Troy, Ohio
Hollup Corp., Chicago, Ill.
Jackson Products, Warren, Mich.
Lincoln Electric Co., Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mechanics Engineering Co., Jackson, Mich.
Michigan Clamp Co., Jackson, Mich.
Miller Elec. Mfg. Co., The, Appleton, Wis.
Mueller Elec. Co., Cleveland, Ohio
Precision Welder Mfg. Co., Chicago, Ill.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Tweco Prod. Co., Wichita, Kans.
Universal Welder Corp., Cleveland, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Wagner Mfg. Co., Inc., Jackson, Mo.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

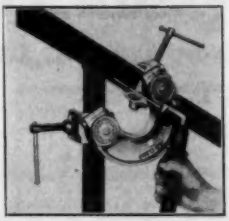
CLAMPS, Hose

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
Aircraft Standard Parts Co., Inc., Newark, N. J.
American Stamping Co., Battle Creek, Mich.
Arc Welding Supply Co., Bronx, N. Y.
Aro Equipment Corp., The, Bryan, Ohio.
Bastian-Blessing Co., The, Chicago, Ill.
Black Bros. Co., Inc., The, Mendota, Ill.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Chicago Tool & Engineering Co., Chicago, Ill.
Cleco Div., Reed Roller Bit Co., Houston, Texas
Corbin Screw Division of The American Hardware Corp., New Britain, Conn.
Dixon Valve & Coupling Co., Philadelphia, Pa.
Fauver, J. N., Co., Inc., Detroit, Mich.
Garrett, George K., Co., Philadelphia, Pa.
Goodall Rubber Co., Trenton, N. J.
Home Rubber Co., Trenton, N. J.
Hose Accessories Co., Philadelphia, Pa.
Imperial Brass Mfg. Co., Chicago, Ill.
Knox Mfg. Co., Philadelphia, Pa.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metro Manufacturing Co., Long Island City, N. Y.
Mulconroy Company, Philadelphia, Pa.
Oxweld Railroad Service Co., The, Chicago, Ill.
Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio
Schrader's, A., Son, Div. of Scovill Mfg. Co., Inc., Brooklyn, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Thermoid Rubber, Division of Thermoid Co., Trenton, N. J.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

CLAMPS, Pipe Line

(See: "Clamps, Aligning")

BERNARD "PRO-CLAMPS"



Pro-Clamps position and hold plates, bars and tubing at any angle from 0° to 360° for welding, brazing or soldering—eliminate tack welding or special fixtures — cut assembly time as much as 50%

Model A, illustrated, has jaw capacity from 0 to 1 inch; Model B has jaw capacity from 0 to 2½ inches. Get the facts on this new Clamp that really saves you money; write for Bulletin PCB-5, today!

Bernard Welding Equipment Co.
10222 Avenue N, Chicago 17, Ill.

TWECO GROUND CLAMPS

QUICK ON — QUICK OFF
"They bite like a Bulldog!"

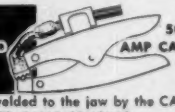
TWECO Ground Clamps step up welding efficiency. Available through your welding supply distributor in Midget 125 amp., Jr. 200 amp. and Sr. 500 amp. sizes.

TWECO PRODUCTS

Write for new No. 8 TWECOLOG Bulletin which pictures and describes complete TWECO Line of Arc Welding Cable, Connections and Accessories.

TWECO PRODUCTS CO.
1452 S. Mosley Wichita 1, Kans.

CADDY GROUND CLAMP



500 AMP CAPACITY

The cable is welded to the jaw by the CADWELD PROCESS — SEE CABLE SPLICING.

Cadweld connection of jaw to welding cable has high permanent conductivity. The contact jaw is entirely insulated from the pressed all steel body. No arcing — cannot burn up. Cable gripper ears prevent flexing while torsion spring maintains constant grip.

For the best in lugs, quick connectors, cable splicing and electrode holders — Buy Caddy — Bulletins on request.

Trade name CADDY

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General Supply & Tool Co.
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H-H Tool & Supply Co.
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Your work-holding tools give fast, uniform clamping action—longer life—greater power—because De-Sta-Co's more than forty models give you *quality* features:

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- Reamed bearing holes for accurate fit, sensitive operation.
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- Friction-relieving off-sets in handles, links.
- Cold drawn solid bars—forged portable clamp parts.

New portable and plunger clamps are coming—to meet your various work-holding needs. Write for illustrated clamp catalog and name of stocking representative in your area.

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CLAMPS, Vise

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Chicago Tool & Engineering Co., Chicago, Ill.
Cincinnati Tool Co., The, Cincinnati, Ohio
Eagle Welding Equipment Co., Chicago, Ill.
Lapeer Mfg. Co., Lapeer, Mich.
Petersen Mfg. Co., De Witt, Neb.
Williams, J. H., & Co., Buffalo, N. Y.

CLAMPS, Welding, Magnetic

Dings Magnetic Separator Co., Milwaukee, Wis.
Magnetrode Corp., Kansas City, Mo.
Shrader, F. W., Co., Culver City, Calif.
Wanol Corp., St. Louis, Mo.
Wetzler Clamp Co., Long Island City, N. Y.

CLAMPS, Welding Vacuum

Atlas Welding Accessories Co., Ferndale, Mich.
Glenn-Roberts Co., Indianapolis, Ind.

CLAMPS, Pipe-Welding

(See: "Clamps, Aligning")

CLAMPS, Plate Lifting

Blum, Julius Co., Inc., New York, N. Y.
Chicago Boiler Co., Chicago, Ill.
Cullen-Friestedt & Co., Chicago, Ill.
Merrill Brothers, Maspeth, N. Y.
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

CLAMPS, Toggle

Danly Mach. Specialties Co., Inc., Chicago, Ill.
Detroit Stamping Co., Detroit, Mich.
General Welding Corp., Cleveland, Ohio
Lapeer Mfg. Co., Lapeer, Mich.
Mechanics Engineering Co., Jackson, Mich.
Petersen Mfg. Co., Inc., De Witt, Neb.
Smith, Seymour, & Son, Inc., Oakville, Conn.
Wolverine Tool Co., Detroit, Mich.

CLEANING TOOLS

(See: "Tools, Weld-Cleaning" or "Brushes Weld-Cleaning")

CLEANERS, File

Cincinnati Tool Co., The, Cincinnati, Ohio
Disston, Henry, & Son, Inc., Tacony, Philadelphia, Pa.
Heller Brothers Company, Newark, N. J.
Knudson, E. C., Chicago, Ill.
Lutz File & Tool Co., Cincinnati, Ohio
Manufacturers' Brush Co., The, Cleveland, Ohio
Nicholson File Co., Providence, R. I.

CLEANERS, Goggle

Allen Optical Co., Sani Spray Div., Buffalo, N. Y.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., The, Detroit, Mich.
General Scientific Equip. Co., Philadelphia, Pa.
Kimball Safety Products Co., Cleveland, Ohio
Welkins Co. Inc., Cortland, N. Y.

CLEANERS, Metal

Best Effect Chemical Co., Inc., Hackensack, N. J.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp, New York, N. Y.
Colonial Alloys Co., Philadelphia, Pa.
Diversey Corp., The, Metal Industries Dept., Chicago, Ill.
Eclipse Fuel Engineering Co., Rockford, Ill.
E. I. DuPont de Nemours & Co., Inc., Wilmington, Del.
Gumm, Fred., Chem. Co., Inc., Kearney, N. J.
Hollingshead, R. M., Corp., Camden, N. J.
Houghton, E. F., & Co., Philadelphia, Pa.
Kelite Products, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
MacDermid, Inc., Waterbury, Conn.
Magnaflux Corp., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Midland Paint & Varnish Co., Cleveland, Ohio.
NuSteel Co., Chicago, Ill.
Oakite Products, Inc., New York, N. Y.
Optimus Equipment Co., The, Matawan, N. J.
Philadelphia Quartz Co., Philadelphia, Pa.
Phillips Mfg. Co., Chicago, Ill.
Solventol Chemical Products, Inc., Detroit, Mich.
Special Chemicals Corp., New York, N. Y.
Thermacote Co., Los Angeles, Calif.
Turco Products, Inc., Los Angeles, Calif.
U. S. Steel Supply Co., Chicago, Ill.
Waverly Petroleum Products Co., Philadelphia, Pa.
Wayne Chemical Products Co., Detroit, Mich.
Wolfe-Kote Co., Sheboygan, Wis.
Wyandotte Chemicals Corp., Wyandotte, Mich.

COAT, Asbestos

Aljay Mfg. Co., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Greene, Tweed & Co., North Wales, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Janos Asbestos Co., New York, N. Y.
Johns-Manville, New York, N. Y.
Keasbey & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
McDonald, B. F., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wisc.
Safety Clothing & Equipment Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

COAT, Fire Resistant Duck

Aljay Mfg. Co., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Bullard Co., E. D., San Francisco, Calif.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
McDonald, B. F., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wisc.
Safety Clothing & Equipment Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

COAT, Leather

Aljay Mfg. Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
McDonald, B. F., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Tillman Co., John, Long Beach, Calif.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

COATED ABRASIVES—Emery, Garnet, Silicon Carbide, Aluminous Oxide, Paper and Cloths

(See also "Sandpaper," "Paper, Waterproof," "Emery and Other Abrasives," etc.)

Abrasive Products, Inc., South Braintree, Mass.
Alberton & Co., Sioux City, Iowa
Armour & Co., Coated Abrasives Div., Chicago, Ill.
Atlas Abrasive Corp., Brooklyn, N. Y.
Behr-Manning Corporation, Troy, N. Y.
Carborundum Co., The, Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Mid-West Abrasive Co., Owosso, Mich.
Wisconsin Abrasive Co., Milwaukee, Wis.

COATING, Materials, Electrode

Actarc Incorporated, Cleveland, Ohio
American Agile Corp., Cleveland, Ohio
American Manganese Steel Div., Chicago Heights, Ill.
American Products Corp., Chicago, Ill.
Aufhauser Brothers Corp., New York, N. Y.
Foote Mineral Company, Philadelphia, Pa.
Haynes Stellite Co., New York, N. Y.
Metal & Thermit Corp., New York, N. Y.
Philadelphia Quartz Co., Philadelphia, Pa.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Thompson & Co., Oakmont, Pa.
Titanium Pigment Corp., New York, N. Y.

COILS, Preheating, Annealing & Stress-Relieving

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Ajax Electro Thermic Corp., Trenton, N. J.
Falcon Equipment Co., New Brighton, Pa.
Federal Telephone and Radio Corp., New York, N. Y.
Lepel High Frequency Labs., Inc., New York, N. Y.
Nageldinger & Sons, Inc., J., New York, N. Y.
Peterson Welding Laboratories, Kansas City, Mo.
Sciaky Bros., Chicago, Ill.

Shrader, F. W., Culver City, Calif.
Westinghouse Elec. Corp., Pittsburgh, Pa.

COLLECTORS, Exhausters and Blower Systems

Aget-Detroit Co., Ann Arbor, Mich.
American Air Filter Co., Inc., Louisville, Ky.
American Blower Corp., Dearborn, Mich.
American Wheelabrator and Equipment Corp., Mishawaka, Ind.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower and Forge Co., Lancaster, Pa.
DeBothezat Fans Div., American Machine and Metals, Inc., East Moline, Ill.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Do All Co., The, Des Plaines, Ill.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Ilg Electric Ventilating Co., Chicago, Ill.
Mine Safety Appliances Co., Pittsburgh, Pa.
Paasche Airbrush Co., Chicago, Ill.
Pangborn Corp., Hagerstown, Md.
Ruemelin Mfg. Co., Milwaukee, Wis.
Standard Electrical Tool Co., The, Cincinnati, Ohio
Sturtevant, B. F., Co., Division of Westinghouse Electric, Hyde Park, Boston, Mass.
Torit Manufacturing Co., St. Paul, Minn.
Whiting Corp., Harvey, Ill.

COMMUTATOR MAINTENANCE EQUIPMENT

Holub Industries, Inc., Sycamore, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Ohio Carbon Co., The, Cleveland, Ohio

COMPOUNDS, Anti-Fog

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Bausch & Lomb Optical Co., Rochester, N. Y.
Carhoff Co., Cleveland, Ohio
Champion Rivet Co., The, Cleveland, Ohio
Davis Emergency Equipment Co., Inc., Newark, N. J.
Industrial Products Co., Philadelphia, Pa.
Master Co., Los Angeles, Calif.
McDonald Co., B. F., Los Angeles, Calif.
Merix Chemical Co., Chicago, Ill.
Milburn Co., Detroit, Mich.
Mine Safety Appliances Co., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

COMPOUNDS, Buffing and Polishing

Cantol Wax Co., Bloomington, Ind.
Carborundum Co., Inc., The, Niagara Falls, N. Y.
Divine Brothers Co., Utica, N. Y.
Flux-All Chemical Products, New York, N. Y.
Merix Chemical Co., Chicago, Ill.
Nu Steel Co., Chicago, Ill.
Oakite Products, Inc., New York, N. Y.
Sonneborn, L., Sons, Inc., New York, N. Y.
Special Chemicals Corp., New York, N. Y.

COMPOUNDS, Case Hardening and Tempering

All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Cyanamid Co., New York, N. Y.
Anti-Borax Compound Co., Inc., Fort Wayne, Ind.
Holde, A. F., Co., The, New Haven, Conn.
Houghton, E. F., & Co., Philadelphia, Pa.

COMPOUNDS, for Fire Extinguishers

Carbide and Carbon Chemicals Corp., Unit of Union Carbide and Carbon Corp., New York, N. Y.
Diener, Geo. W., Mfg. Co., Chicago, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Pyrene Manufacturing Co., Newark, N. J.

COMPOUNDS, Forge Welding

Air Reduction Sales Co., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
American Solder & Flux Co., Philadelphia, Pa.
Anti-Borax Compound Co., Inc., Fort Wayne, Ind.
Cortland Welding Compound Co., Cortland, N. Y.
Dockson Corp., Detroit, Mich.
Johnson Mfg. Co., Mount Vernon, Iowa
K-G Welding & Cutting Co., Inc., New York, N. Y.
Lincoln Electric Co., The, Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Modern Engineering Co., St. Louis, Mo.
Smith Welding Equipment Corp., Minneapolis, Minn.
Torchweld Equipment Co., Chicago, Ill.
Victor Equipment Co., Victor Welding Equipment Division, San Francisco, Calif.

COMPOUNDS, Galvanizing

Aget-Detroit Co., Ann Arbor, Mich.
Allen, L. B., Co., Chicago, Ill.
All State Welding Alloys Co., Inc., White Plains, N. Y.
American Solder & Flux Co., Philadelphia, Pa.
du Pont, E. I., de Nemours & Co., Inc., Wilmington, Dela.

Group of RUEMELIN Fume Collectors Keeps Shop Clear of Welding Fumes

This well ventilated welding department is typical of hundreds of similar installations. Welding operators appreciate smoke and gas-free atmosphere. Thousands in service. Many repeat orders. Collecting fumes at the source with local exhaust hoods has proven most practical in operation. Write for Bulletin 37-D describing all types of Ruemelin Fume Collectors.

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3880 NORTH PALMER STREET • MILWAUKEE 12, WISCONSIN, U. S. A.

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GALV-WELD

A REMARKABLE DEVELOPMENT NOW AVAILABLE!

- Re-galvanizes sheets, shapes and pipes . . . quickly, easily, inexpensively.
- Assures protection against rust and corrosion.
- Makes a permanent bond with the base metal.

• A stick of low-melting zinc-base alloy, Galv-Weld quickly and easily re-galvanizes structures and sheets from which the galvanizing has been burned off during the welding process. Galv-Weld coatings have been found to be actually superior to the original coating.

Galv-Weld needs no flux; no sandblasting. Doesn't make fumes; won't peel or chip. Easily applied in any position, and in confined quarters. Makes riveted, soldered and bolted construction of galvanized members obsolete.

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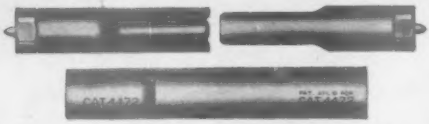
NOTHING *Connects Like the* EITHEREND—

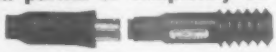


It's Interchangeable

SAVE WELDING CABLE SET-UP, EXTENSION AND TRANSFER TIME, *for within respective sizes any two* EITHERENDS *connect — easily and quickly.*

An EITHEREND connector consists of two identical, tubular halves with exactly similar contact end details like this, 00 To connect—turn one 90° from the position of the other, 00 place one contact end against the other and push to engage each halves four resilient self-cleaning contact surfaces.

COMBINING SERVICE PROVEN EFFICIENCY AND LONG LIFE EITHERENDS ARE AVAILABLE • in sizes from #10 to 500 MCM • with solder or solderless cable wells • with or without an integral connection lock • and with partial or completely enclosing insulating sleeves like these



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ALBERT & J. M. ANDERSON MFG. CO.
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WELDING
CABLE
CONNECTORS

Postive Lock Lo-Resistance
Quick Disconnect

Check all these features

— Heavy Duty and General Purpose sizes completely interchangeable.
— Connect all cables 1/0 through 4/0 without adapters.
— Minimum resistance, minimum heating assured by high pressure contact.
— Self compensating for wear.
— Locks tight—stays tight—no spring action—releases easily.
— Field proven on toughest jobs.

cam·lok DIVISION OF EMPIRE PRODUCTS INC
P. O. Box 98-C
Cincinnati 36, Ohio

COMPOUNDS, Galvanizing

(Continued from page 29)

Farrelloy Co., Philadelphia, Pa.
Galv-Weld, Inc., Dayton, Ohio (Stick forms)
Johnson Mfg. Co., Mount Vernon, Iowa
Metalloy Products Inc., Los Angeles, Cal.
Ohmer, George H., Dayton, Ohio
Turco Products, Inc., Los Angeles, Calif.
U. S. Steel Supply Co., Chicago, Ill. (Stick forms)
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.

COMPOUNDS, Tinning

Air Reduction Sales Co., New York, N. Y.
Aladdin Rod & Flux Co., Grand Rapids, Mich.
Allen, L. B., Co., Chicago, Ill.
All State Welding Alloy Co., Inc., White Plains, N. Y.
American Solder & Flux Co., Philadelphia, Pa.
Anti-Borax Compound Co., Inc., Fort Wayne, Ind.
Childs Aluminum Solder Co., New York, N. Y.
E. I. duPont de Nemours & Co., Grasselli Chemicals Dept., Wilmington, Dela.
Eagle-Picher Co., The, Cincinnati, Ohio
Eutectic Welding Alloys Co., Flushing, N. Y.
Farrelloy Co., Philadelphia, Pa.
Flux-All Chemical Products, New York, N. Y.
Johnson, Lloyd S., Co., Chicago, Ill.
Kirk, Morris P., & Son, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
Metal Bond Mfg. Co., St. Louis, Mo.
Metalloy Prod. Co., Los Angeles, Cal.
Pal-Weld Mfg. Co., Seattle, Wash.
Remont Mfg. Co., Lombard, Ill.
Ruby Chemical Co., The, Columbus, Ohio
Swiss Laboratory, Cleveland, Ohio
Wayne Chemical Products Co., Detroit, Mich.
York Engineering Co., Chicago, Ill.

COMPRESSORS, Air

Brunner Manufacturing Co., Utica, N. Y.
Champion Pneumatic Machinery Co., Chicago, Ill.
Chicago Pneumatic Tool Co., New York, N. Y.
Curtis Pneumatic Machinery, Div. of Curtis Mfg. Co., St. Louis, Mo.
DeVilbiss Co., The, Toledo, Ohio
Fairbanks, Morse & Co., Chicago, Ill.
Gardner-Denver Co., Quincy, Ill.
Hobart Brothers Co., Troy, Ohio
Independent Pneumatic Tool Co., Chicago, Ill.
Ingersoll-Rand Co., New York, N. Y.
Joy Mfg. Co., Pittsburgh, Pa.
Kellogg Division of The American Brake Shoe Co., Rochester, N. Y.
Kidde, Walter, & Co., Inc., Belleville, N. J.
Paasche Airbrush Co., Chicago, Ill.
Roots-Connersville Blower Corp., Connersville, Ind.
Schramm, Inc., West Chester, Pa.
Smith, Gordon, & Co., Inc., Bowling Green, Ky.
Worthington Pump & Machinery Corp., Harrison, N. J.

COMPRESSORS, Air, Portable

Allis-Chalmers Manufacturing Co., Milwaukee, Wis.
Brunner Manufacturing Co., Utica, N. Y.
Champion Pneumatic Machinery Co., Chicago, Ill.
Chicago Pneumatic Tool Co., New York, N. Y.
DeVilbiss Co., The, Toledo, Ohio
Gardner-Denver Co., Quincy, Ill.
Hobart Bros. Co., Troy, Ohio
Independent Pneumatic Tool Co., Chicago, Ill.
Ingersoll-Rand Co., New York, N. Y.
Joy Mfg., Pittsburgh, Pa.
Kellogg Division of The American Brake Shoe Co., Rochester, N. Y.
Paasche Airbrush Co., Chicago, Ill.
Roots-Connersville Blower Corp., Connersville, Ind.
Saylor-Beall Manufacturing Co., Lansing, Mich.
Schramm, Inc., West Chester, Pa.
Smith, Gordon, & Co., Inc., Bowling Green, Ky.

CONNECTIONS, Hose

(See: "Unions, Hose," "Couplings and Fittings, Hose")

CONNECTORS, Cable

Air Reduction Sales Co., New York, N. Y.
Aircraft-Marine Products, Inc., Harrisburg, Pa.
Albert & J. M. Anderson Mfg. Co., S. Boston, Mass.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Appleton Electric Co., Chicago, Ill.
Arc Welding Supply Co., Bronx, N. Y.
Burndy Engineering Co., Inc., New York, N. Y.
Cam-Lok, Div. of Empire Prod. Co., Cincinnati 36, Ohio
Chase Brass & Copper Co., Waterbury, Conn.
Chicago Tool & Engineering Co., Chicago, Ill.
Craftsweld Equipment Corp., Long Island City, N. Y.
Dallett Co., The, Philadelphia, Pa.
Detroit Electrode Holder Mfg. Co., Detroit, Mich.
Erico Products, Inc., Cleveland, Ohio
Fibre-Metal Products Co., Chester, Pa.
General Electric Co., Schenectady, N. Y.
Graham Mfg. Corp., Ferndale, Mich.
Har-Worth Mfg. Co., Sherwood, Ore.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Industrial Air Prod. Co., Portland, Ore.
Jackson Products, Warren, Mich.
Jones, Howard B., Div., Cinch Mfg. Corp., Chicago, Ill.
K. O. Lee Co., Aberdeen, S. D.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co. Inc., Milwaukee, Wis.
National Electric Products Co., Pittsburgh, Pa.
O. Z. Elec. Mfg. Co., Brooklyn, N. Y.
Plastal Mfg. Co., Pasadena, Calif.
Pyle-National Co., Chicago, Ill.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Smith Corp., A. O., Milwaukee, Wis.
Stevens & Co., Inc., C. H., Cornwall Bridge, Conn.
Trindl Products, Ltd., Chicago, Ill.
Tweco Prod. Co., Wichita, Kan.
Uniflex Cable Co., Detroit, Mich.
Victor Equipment Co., San Francisco, Calif.
Wagner Mfg. Co., Inc., Jackson, Mo.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Will-Weld Mfg. Co., Inc., Omaha, Neb.

CONTACTORS, Carbon-Pile

Clark Controller Co., The, Cleveland, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.

METAL BOND
METAL BOND MFG CO

TINNING COMPOUND

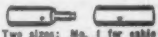
Cleans and tins in one operation—won't show under paint job. Does not corrode and loosen solder. Gives permanent tinned surface on Cast Iron, Steel, Brass, Bronze, Copper and Galvanized Iron. Tins Bearings, Connecting Rods, etc. USE NO ACIDS.

• *Send for catalog*

METAL BOND MFG. CO. 3201 Kossuth St. St. Louis 7, Mo.

TWECO Cable Connectors

Positive and efficient cable connection with quick detach and jump-in advantages.



Two sizes: No. 1 for cable sizes 4, 2 or 1. No. 2 for cable sizes 1/0 through 4/0. Order Sol-Con for solder type. Mec-Con for mechanical attachment to cables.

TWECO TERMINAL CONNECTORS

Accept Sol-Con or Mec-Con male half connectors. Furnished in either 45° or 180° angle offset style.

Write for new No. 8 TWECOLOG Bulletin which pictures and describes complete TWECO Line of Arc Welding Cable Connections and Accessories.

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Larkin Lectro Products Co., Pine Bluff, N. Y.
Speer Carbon Co., St. Marys, Pa.
Westinghouse Electric Corp., Pittsburgh, Pa.

CONTACTORS, Electronic

Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Clark Controller Co., The, Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Raytheon Mfg. Co., Waltham, Mass.
Square D Co., Milwaukee, Wis.
Weltronic Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.

CONTACTORS, Magnetic

Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Arrow-Hart & Hegeman Elec. Co., Hartford, Conn.
Clark Controller Co., The, Cleveland, Ohio
Cutler-Hammer, Inc., Milwaukee, Wis.
Electric Controller & Mfg. Co., The, Cleveland, Ohio
Federal Electric Products Co., Newark, N. J.
General Electric Co., Schenectady, N. Y.
Graham Manufacturing Corp., Ferndale, Mich.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Shrader, F. W., Co., Culver City, Calif.
Square D Co., Milwaukee, Wis.
Trumbull Electric Mfg. Co., The, Plainville, Conn.
Weltronic Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.

CONTROLS, Resistance-Welding

(See also: "Electronic Controls, Resistance-Welding," "Timers, Resistance-Welding")

Acme Electric Welder Co., Los Angeles, Calif.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Clark Controller Co., The, Cleveland, Ohio
Central Sales Corp., The, Chicago, Ill.
Cramer, R. W., Co., Inc., The, Centerbrook, Conn.
Electrical Controller & Mfg. Co., The, Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Metron Instrument Co., Denver, Colo.
Mullenbach Electrical Mfg. Co., Los Angeles, Calif.
National Time & Signal Corp., Detroit, Mich.
Photoswitch, Inc., Cambridge, Mass.
Photovolt Corp., New York, N. Y.
Raytheon Mfg. Co., Waltham, Mass.
Rees, Mackworth G., Inc., Detroit, Mich.
Sciaky Bros., Chicago, Ill.

WELD WITH WAGNER

CABLE CONNECTORS

Keep your Connections tight by using these connectors with the new locking feature. One quarter turn expands the inner male plug end against the walls of the female socket. Loose connections cause waste of current needed at the end of the electrode.

WAGNER MFG. COMPANY JACKSON, MO.

Square D Co., Milwaukee, Wis.
Taylor-Winfield Corp., The, Warren, Ohio
Weltronic Corp., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.

CONTROLS, Start-Stop, for D-C Sets

Automatic Temperature Control Co. Inc., Philadelphia, Pa.
Clark Controller Co., The, Cleveland, Ohio
Cutler-Hammer, Inc., Milwaukee, Wis.
D-V Welding Controls, Oakland, Calif.
Foster Transformer Co., Cincinnati, Ohio
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Lincoln Electric Co., Cleveland, Ohio
Mullenbach Electrical Mfg. Co., Los Angeles, Calif.

CONTROLS, Welding, Inert Arc

Weltronic Co., Detroit, Mich.

CONVERSION UNITS, A-C, Arc

Automatic Temperature Control Co. Inc., Philadelphia, Pa.
Casco Products, Inc., Chicago, Ill.
D-V Welding Controls, Oakland, Calif.
Ergolyte Mfg. Co., Philadelphia, Pa.
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Mid-States Equip. Co., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Tri-Arc Corp.,Chicago, Ill.
Welding Apparatus Company, Chicago, Ill.
Weltronic Co., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.

COPPER, Bars and Sheets

American Brass Co., Waterbury, Conn.
Ampco Metal, Inc., Milwaukee, Wis.
Bissett Steel Co., The, Cleveland, Ohio
Bridgeport Brass Co., Bridgeport, Conn.
Central Steel & Wire Co., Chicago, Ill.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Phelps Dodge Copper Products Corp., New York, N. Y.
Revere Copper & Brass, Inc., New York, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Steel Sales Corp., Chicago, Ill.

COPPERS, Soldering

(See: "Irons, Soldering")

COPPERS, Soldering (Electric Heat)

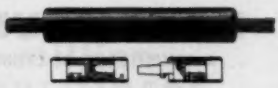
(See: "Irons, Soldering, Electric")

COUPLINGS AND FITTINGS, Hose

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Aro Equipment Corp., Bryan, Ohio
Bastian-Blessing Co., The., Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Crane Co., Chicago, Ill.
Dallett Co., The, Philadelphia, Pa.
DeVilbiss Co., The, Toledo, Ohio
Dixon Valve & Coupling Co., Philadelphia, Pa.
Fauver, J. N., Co., Inc., Detroit, Mich.
Goss Gas Inc., Pittsburgh, Pa.
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Hose Accessories Co., Philadelphia, Pa.
Hunt, C. B., & Sons, Inc., Salem, Ohio
Imperial Brass Mfg. Co., The, Chicago, Ill.
Ingersoll-Rand Co., New York, N. Y.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Metro Mfg. Co., L. I. City, N. Y.
Miles, John R. R., Inc., Minneapolis, Minn.
Mulconroy Co., Philadelphia, Pa.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Norgren Co., C. A., Denver, Colo.
Paasche Airbrush Co., Chicago, Ill.
Schrader's, A., Son, Div. of Scovill Mfg. Co., Inc., Brooklyn, N. Y.
Scovill Mfg. Co., Waterburg, Conn.
Sherman, H. R., Mfg. Co., Battle Creek, Mich.
Sight Feed Generator Co., West Alexandria, Ohio
Snap-Tite, Inc., Erie, Pa.
U. S. Steel Supply Co., Chicago, Ill.
Wright Hoist Division of American Chain & Cable Co., York, Pa.

COVERS, Canvas

Daniels, C. R., Inc., Daniels, Md.
Candy Belting Co., Grand Rapids, Mich.
General Scientific Equip. Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Paulsen-Webber Cordage Corp., New York, N. Y.
Upson-Walton Co., The, Cleveland, Ohio



JACKSON

CABLE CONNECTORS

Quality products, part of a group including Ground Clamps, Cable Connectors, Splicers and Lugs, all available in sizes No. 1, 2/0, and 4/0. Made by the makers of the popular quality line of Arc Welding Electrode Holders.

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Cleveland Crane & Engineering Co., The, Wickliffe, Ohio
Northern Engineering Works, Detroit, Mich.
Round, David, & Son, Cleveland, Ohio
Rorend, David & Son, Cleveland, Ohio
Sasgen Derrick Co., Chicago, Ill.
Wright Hoist Div. of Amer. Chain & Cable Co., Inc., York, Pa.

CRANES, Overhead Traveling

Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Cleveland Crane & Engineering Co., The, Wickcliffe, Ohio
Columbus McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engr. Works, Mendota, Ill.
Detroit Hoist & Mach. Co., Detroit, Mich.
Downs Crane & Hoist Co., Los Angeles, Calif.
Ford Chain Block Div. of Amer. Chain & Cable Co., Inc., York, Pa.
Grand Specialties Co., Chicago, Ill.
Industrial Equip. Co., Chicago, Ill.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Div., Muskegon, Mich.
Northern Engineering Works, Detroit, Mich.
Peck, Cecil C., Co., Cleveland, Ohio.
Round, David & Son, Cleveland, Ohio
Stryco Mfg. Co., San Francisco, Calif.
U. S. Steel Supply Co., Chicago, Ill.
Whiting Corp., Harvey, Ill.
Wright Hoist Div., American Chain & Cable Co., Inc., York, Pa.

CRANES, Portable

Chisholm Moore Hoist Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Downs Crane & Hoist Co., Los Angeles, Calif.
Ford Chain Block Div. of American Chain & Cable Co., Inc., York, Pa.
Grand Specialties Co., Chicago, Ill.
Industrial Equipment Co., Chicago, Ill.
Revolvator Co., North Bergen, N. J.
Round, David, & Son, Cleveland, Ohio
Shepard Niles Crane & Hoist Co., Montour Falls, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Wright Hoist Div. of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The, Phila. Div., Philadelphia, Pa.

CADDY QUICK CONNECTOR

500 AMP CAPACITY

Connector halves attached to cable by Cadweld Process — see lugs or cable splicing. 4/0 connector used on any size cable 1/0 to 4/0. Contact made by positive wedging action. No springs, no pins, no cams. No chance of arcing.

For the best in ground clamps, electrode holders, lugs and cable splicing buy Caddy — Bulletins on request.

Trade name CADDY

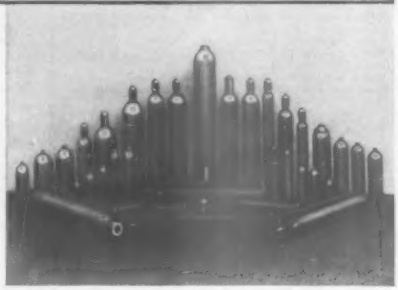
ERICO PRODUCTS, INC.
2070 East 61st Place • Cleveland 3, Ohio

HARRISBURG CYLINDERS

... A COMPLETE LINE OF CYLINDERS FOR EVERY WELDING REQUIREMENT

SEAMLESS STEEL CYLINDERS FOR HIGH-PRESSURE GASES

Products of 98 years manufacturing experience. Made to I.C.C. specifications by *Harrisburg*, pioneer in gas cylinder manufacture in America. Range of sizes and capacities is complete; furnished in Domestic and Export types. Possess maximum uniformity of side walls and bottoms, for greater safety and longer life.



LITE-WEIGHT PROPANE CYLINDERS

25%-30% lighter than conventional cylinders. Capacity 100 lbs., tare weight 72 lbs. Made from special high tensile strength alloy steel, choice of aluminum (illustrated) or red oxide ground coats. Made to I.C.C. specification 4BA-240, Domestic and Export types.

INDUSTRIAL OXYGEN CYLINDERS

For safe, efficient, economical transportation and storage of Industrial Oxygen. Built in capacities from 14 to 400 cu. ft., Domestic and Export types. Made to I.C.C. specifications.

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HARRISBURG STEEL CORPORATION

Custom-Built Quality Products in Quantity

98 YEARS IN PENNSYLVANIA'S CAPITAL

Harrisburg 15, Pennsylvania

CRATER ELIMINATORS, Arc

General Electric Co., Schenectady, N. Y.
Mullenbach Electrical Mfg. Co., Los Angeles, Calif.
Ragle Industries, J. M., Kansas City, Mo.
Strobel Corp., Carl, Los Angeles, Calif.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

CRAYONS, Metal-Marking

American Crayon Co., Sandusky, Ohio
Blum, Julius, & Co., Inc., New York, N. Y.
Markal Co., Chicago, Ill.
O. K. I. Welding Co., Cincinnati, Ohio
Ryerson, Joseph T., & Sons, Inc., Chicago, Ill.
Tempil Corp., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Whittaker, Clark & Daniels, Inc., New York, N. Y.

CURRENT REGULATORS, Arc

Cesco Products, Inc., Chicago, Ill.
Westinghouse Electric Corp., Pittsburgh, Pa.

CURTAINS, Asbestos

American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equip. Co., Phila., Pa.
Greene, Tweed & Co., North Wales, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Janos Asbestos Co., New York, N. Y.
Johns-Manville, New York, N. Y.
Kimball Safety Prod. Co., Cleveland, Ohio
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Raybestos-Manhattan, Inc., Passaic, N. J.
Safety Clothing & Equipment Co., Cleveland, Ohio
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

CURTAINS, Fire-Resistant Duck

American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., Detroit, Mich.
Daniels, C. R., Inc., Daniels, Md.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.

CURTAINS, Leather

American Optical Co., Southbridge, Mass.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Kimball Safety Prod. Co., Cleveland, Ohio
Safety Clothing & Equipment Co., Cleveland, Ohio
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

CUTTERS, Bolt and Rod

Aircraft-Marine Products, Inc., Harrisburg, Pa.
Beaver Pipe Tools, Inc., Warren, Ohio
Champion De Arment Tool Co., Meadville, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Lewis Machine Co., The, Cleveland, Ohio
Manco Mfg. Co., Bradley, Ill.
Moslo Machinery Co., Cleveland, Ohio
National Machine Tool Co., Racine, Wis.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Porter, H. K., Inc., Somerville, Mass.
Sandvik Saw & Tool (Division of Sandvik Steel Inc.), New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.

CUTTERS, Flue and Tube

American Pipe Tool Co., Chicago, Ill.
Calder Mfg. Co., Lancaster, Pa.
Morton Mfg. Co., Muskegon Heights, Mich.
Parker Appliance Co., The, Cleveland, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Vincent Steel Process Co., Detroit, Mich.

CUTTERS, Keyway

Brown & Sharpe Mfg. Co., Providence, R. I.
du Mont Corp., The, Greenfield, Mass.
Grobet File Co. of America, Inc., New York, N. Y.
Morton Mfg. Co., Muskegon Heights, Mich.
National Twist Drill & Tool Co., Rochester, Mich.
Reltool Corp., Milwaukee, Wis.
Sandvik Saw & Tool (Division of Sandvik Steel Inc.), New York, N. Y.
Threadwell Tap & Die Co., Greenfield, Mass.
Union Twist Drill Co., Athol, Mass.

CUTTERS, Pipe

American Pipe Tool Co., Chicago, Ill.
Armstrong Bros. Tool Co., Chicago, Ill.
Atkins, E. C., & Co., Indianapolis, Ind.
Beaver Pipe Tools, Inc., Warren, Ohio
Capewell Mfg. Co., The, Hartford, Conn.
Collmer Bros., South Bend, Ind.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Heath Engrg. Co., Ft. Collins, Colo.
Hollands Mfg. Co., Erie, Pa.
Nye Tool & Machine Co., Chicago, Ill.
Oster Manufacturing Co., The, Cleveland, Ohio
Parker Appliance Co., Inc., The, Cleveland, Ohio
Quijada Tool Co., Inc., Los Angeles, Calif.
Reed Manufacturing Co., Erie, Pa.
Ridge Tool Co., The, Elyria, Ohio
Sandvik Saw & Tool (Division of Sandvik Steel Inc.), New York, N. Y.
Toledo Pipe Threading Machine Co., The, Toledo, Ohio
Trimont Mfg. Co., Div. of Aetna Industrial Corp., Roxbury, Mass.
U. S. Steel Supply Co., Chicago, Ill.

CUTTERS, Wire

Aircraft-Marine Products, Inc., Harrisburg, Pa.
Armstrong-Blum Mfg. Co., Chicago, Ill.
Bartlett Mfg. Co., Detroit, Mich.
Champion De Arment Tool Co., Meadville, Pa.
Crescent Tool Co., Jamestown, N. Y.
Duro Metal Products Co., Chicago, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Manco Mfg. Co., Bradley, Ill.
Lewis Machine Co., The, Cleveland, Ohio
Porter, H. K., Inc., Somerville, Mass.
Sandvik Saw & Tool (Division of Sandvik Steel Inc.), New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.

CUTTING APPARATUS, Arc Oxygen

Air Products, Inc., Allentown, Pa.
American Oxygen Service Corp., Harrison, N. J.
Arcos Corp., Philadelphia, Pa.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eagle Welding Equipment Co., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.

Metro Mfg. Co., L. I. City, N. Y.
Miles, John R. R., Minneapolis, Minn.
Smith Welding Equipment Corp., Minneapolis, Minn.

CUTTING GUIDES, Flame

Air Products, Inc., Allentown, Pa.
American Oxygen Service Corp., Harrison, N. J.
Bastian-Blessing Co., The, Chicago, Ill.
Cut-O-Guide Sales Co., Cleveland, Ohio
Eagle Welding Equipment Co., Chicago, Ill.
General Welding & Equip. Co., Boston, Mass.
Gaso Equipment Co., Chicago, Ill.
Heath Engrg. Co., Ft. Collins, Colo.
K-G Welding and Cutting Co., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Linde Air Products Co., Unit of Union Carbide and Carbon Corp., New York, N. Y.
Nageldinger, John & Son, Inc., New York, N. Y.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Oxo Welding Equip. Co., Chicago, Ill.
Scientific Research Co., Portland, Ore.
Shrader, F. W., Co., Culver City, Calif.
Victor Equipment Co., San Francisco, Calif.

CUTTING MACHINES, Gas

(See: "Machines, Cutting, Flame")

CUTTING TORCHES, Gas

(See: "Torches, Cutting, Gas")

CUTTING TORCHES, Underwater

(See: "Torches, Cutting, Underwater")

CYLINDERS, Acetylene

Air Reduction Sales Co., New York, N. Y.
Aetna Cylinders, Inc., Detroit, Mich.
American Gas & Chemical Corp., Harrison, N. J.
Amer. Oxygen-Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio
Compressed Gas Cylinders, Inc., Vernon, Calif.
Coyne Manufacturing Co., San Francisco, Calif.
Gellid Engineering Corp., Oak Park, Ill.
Harrisburg Steel Corp., Harrisburg, Pa.
Independent Engineering Co., O'Fallon, Ill.
Industrial Air Products Co., Portland, Ore.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Tube Co., Div. of U. S. Steel Corp., Pittsburgh, Pa.
Pressed Steel Tank Co., Milwaukee, Wis.
Sight Feed Generator Co., West Alexandria, Ohio
Superior Industrial Gas Corp., Astoria, N. Y.
Taylor Cylinder Div., Cuneo Press, Chicago, Ill.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Wall Colmonoy Corp., Detroit, Mich.

CYLINDERS, Oxygen

Air Reduction Sales Co., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J
American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio
Gellid Engineering Corp., Oak Park, Ill.
Harrisburg Steel Corp., Harrisburg, Pa.
Independent Engrg. Co., O'Fallon, Ill.
Industrial Air Products Co., Portland, Ore.
Kidde & Co., Walter, Inc., Belleville, N. J.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Marison Co., The, So. Elgin, Ill.
Modern Engineering Co., Inc., St. Louis, Mo.
Nageldinger & Sons, Inc., J., New York, N. Y.
National Tube Co., Div. of U. S. Steel Corp., Pittsburgh, Pa.

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Sight Feed Generator Co., West Alexandria, Ohio
Superior Industrial Gas Corp., Astoria, N. Y.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

CYLINDERS, Propane

American Oxygen Service Corp., Harrison, N. J.
Compressed Gas Cylinders, Inc., Vernon, Calif.
Goss Gas, Inc., Pittsburgh, Pa.
Harrisburgh Steel Corp., Harrisburg, Pa.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Marison Co., The, S. Elgin, Ill.
National Tube Co., Div. of U. S. Steel Corp., Pittsburgh, Pa.
Pressed Steel Tank Co., Milwaukee, Wis.
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CYLINDER TRUCKS

(See: "Trucks, Cylinder")

D-C WELDER CONTROLS

(See: "Control, Start-Stop for D-C Sets")

D-C WELDERS

(See: "Welders, Arc, D-C")

DEMAGNETIZER

Do All Co., The, Des Plaines, Ill.
General Electric Co., Schenectady, N. Y.
Ideal Industries, Inc., Sycamore, Ill.
Magnaflux Corp., Chicago, Ill.
Shrader, F. W., Co., Culver City, Ind.

DIES, Bending and Trimming

Carboloy Co., Inc., Detroit, Mich.
Dahlstrom Manufacturing Co., St. Paul, Minn.
Hamilton Tool Co., The, Hamilton, Ohio
Jessop Steel Co., Washington, Pa.
New England Carbide Tool Co., Inc., Cambridge, Mass.
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DIES, Bolt

Armstrong Bros. Tool Co., Chicago, Ill.
Bay State Tap & Die Co., Mansfield, Mass.
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Butterfield Division Union Twist Drill Co., Derby Line, Vt.
Capewell Mfg. Co., The, Hartford, Conn.
Card, S. W., Mfg. Co., Division of Union Twist Drill Co., Mansfield, Mass.
Greenfield Tap & Die Corp., Greenfield, Mass.
Hollands Mfg. Co., Erie, Pa.
Jessop Steel Co., Washington, Pa.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co., New Bedford, Mass.
Nye Tool Co., Chicago, Ill.
Oster Manufacturing Co., The, Cleveland, Ohio
Pratt & Whitney Div., Niles-Bement-Pond Co., W. Hartford, Conn.
Reed Manufacturing Co., Erie, Pa.
Ridge Tool Co., The, Elyria, Ohio
Standard Tool Co., Cleveland, Ohio
Toledo Pipe Threading Machine Co., The, Toledo, Ohio
United States Steel Supply Co., Chicago, Ill.
Verson Allsteel Press Co., Chicago, Ill.

DIES, Projection-Welding

Acro Welder Mfg. Co., Milwaukee, Wis.
American Electric Fusion Corp., Chicago, Ill.
Ampco Metal, Inc., Milwaukee, Wis.
Bunell Machine & Tool Co., Cleveland, Ohio
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Electroloy Co., Inc., Bridgeport, Conn.
Fansteel Metallurgical Corp., North Chicago, Ill.
Federal Machine & Welder Co., The, Warren, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Precision Welder & Machine Co., Cincinnati, Ohio
Resistance Welder Corp., Detroit, Mich.
Rex Welder & Engineering Co., Kansas City, Mo.
Sciaky Bros., Chicago, Ill.
S-M-S Corp., Detroit, Mich.
Swift Electric Welder Co., Detroit, Mich.
Thomson Electric Welder Co., Lynn, Mass.
Tipaloy, Inc., Detroit, Mich.
Universal Welder Corp., Cleveland, Ohio
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Welding Sales & Engineering Co., Detroit, Mich.

DIES, Stamping

Acromark Co., The, Elizabeth, N. J.
Carboloy Co., Inc., Detroit, Mich.
Dahlstrom Mfg. Co., St. Paul, Minn.
Die Typing Corp., Detroit, Mich.
Diener, Geo. W., Mfg. Co., Chicago, Ill.
Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
Hamilton Tool Co., The, Hamilton, Ohio
Jessop Steel Co., Washington, Pa.
National Lead Co., New York, N. Y.
New England Carbide Tool Co., Inc., Cambridge, Mass.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Paine Co., The, Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Schwerdtle Stamp Co., The, Bridgeport, Conn.
Service Machine Co., Elizabeth, N. J.
Verson Allsteel Press Co., Chicago, Ill.

DIE STOCK SETS

American Pipe Tool Co., Chicago, Ill.
Armstrong Bros. Tool Co., Chicago, Ill.
Bay State Tap & Die Co., Mansfield, Mass.
Beaver Pipe Tools, Inc., Warren, Ohio
Butterfield Division Union Twist Drill Co., Derby Line, Vt.
Capewell Mfg. Co., The, Hartford, Conn.
Card, S. W., Mfg. Co., Division of Union Twist Drill Co., Mansfield, Mass.
Champion Blower and Forge Co., Lancaster, Pa.
Greenfield Tap & Die Corp., Greenfield,, Mass.
Hollands Mfg. Co., Erie, Pa.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Morse Twist Drill & Machine Co., New Bedford, Mass.
Nye Tool Co., Chicago, Ill.
Oster Manufacturing Co., The, Cleveland, Ohio
Pratt & Whitney, Div. Niles-Bement-Pond Co., West Hartford, Conn.
Ridge Tool Co., The, Elyria, Ohio
Threadwell Tap & Die Co., Greenfield, Mass.
Toledo Pipe Threading Machine Co., The, Toledo, Ohio

DIPPER TEETH, Repointers (Wedge Bars)

American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Carboloy Co., Inc., Detroit, Mich.
Manganese Steel Forge Co., Philadelphia, Pa.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Steel Sales Corp., Chicago, Ill.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.

DIPPERS, Solder

American Pipe Tool Co., Chicago, Ill.
General Scientific Equip. Co., Philadelphia, Pa.
Harris, Arthur, & Co., Chicago, Ill.

DISCS, Abrasive

Abrasive Products, Inc., South Braintree, Mass.
Albertson & Co., Inc., Sioux City, Iowa
Armour & Co., Coated Abrasive Div., Chicago, Ill.
Atlas Abrasive Corp., Brooklyn, N. Y.
Bates Products, Inc., Chicago, Ill.
Behr-Manning Corp., Troy, N. Y.
Carborundum Co., The, Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., Chicago, Ill.
Clover Mfg. Co., Norwalk, Conn.
de Sanno, A. P., & Sons, Inc., Phoenixville, Pa.
Haskins, R. G., Co., Chicago, Ill.
Michigan Abrasive Co., Detroit, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
Norton Co., Worcester, Mass.
Peninsular Grinding Wheel Co., Detroit, Mich.
Raybestos-Manhattan, Inc., Passiac, N. J.
Roberts, Weldon Rubber Co., Brightbey Industrial Division, Newark, N. J.
Sandusky Abrasive Wheel Co., Kalamazoo, Mich.
Thermoid Rubber, Division of Thermoid Co., Trenton, N. J.
Wisconsin Abrasive Co., Milwaukee, Wis.

DISPENSERS, Brazing and Soldering

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Gasflux Co., The, Mansfield, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Sight Feed Generator Co., West Alexandria, Ohio

DRESSERS, Grinding Wheel

Calder Mfg. Co., Lancaster, Pa.
Carborundum Co., The, Niagara Falls, N. Y.
Collmer Bros., South Bend, Ind.
Desmond-Stephan Mfg. Co., Urbana, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Norton Co., Worcester, Mass.
Standard Elec. Tool Co., The, Cincinnati, Ohio
Standard Tool Co., Cleveland, Ohio
Vincent Steel Process Co., Detroit, Mich.
Willey's Carbide Tool Co., Detroit, Mich.
Wisconsin Abrasive Co., Milwaukee, Wis.

DRESSERS, Resistance Welding Electrode

Electroloy Co., Inc., Bridgeport, Conn.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Keller Tool Co., Grand Haven, Mich.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
S-M-S Corp., Detroit, Mich.
Welding Sales & Engr. Co., Detroit, Mich.

DRILL-GRINDING ATTACHMENT

Atlas Press Co., Kalamazoo, Mich.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Hisey-Wolf Machine Co., Cincinnati, Ohio
McBurney, A. D., Los Angeles, Calif.
Millers Falls Co., Greenfield, Mass.
Standard Elec. Tool Co., The, Cincinnati, Ohio

DRILLS, Blacksmiths'

Ace Drill Corp., Detroit, Mich.
Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Chicago Latrobe Twist Drill Works, Chicago, Ill.
Clark Equipment Co., Buchanan, Mich.
Cleveland Twist Drill Co., The, Cleveland, Ohio
Morse Twist Drill and Machine Co., New Bedford, Mass.
National Twist Drill & Tool Co., Rochester, Minn.
Standard Tool Co., Cleveland, Ohio
Threadwell Tap & Die Co., The, Greenfield, Mass.
Union Twist Drill Co., Athol, Mass.
Whitman & Barnes, Detroit, Mich.

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DRILLS, Electric, Portable

Alberston & Co., Inc., Sioux City, Iowa
Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Clark, James, Jr., Electric Co., Louisville, Ky.
Dumore Co., The, Racine, Wis.
Duro Metal Products Co., Chicago, Ill.
Gaston Power Tools, Chicago, Ill.
Greyhound A.C. Arc Welder Corp., Brooklyn, N. Y.
Haskins, R. G., Co., Chicago, Ill.
Independent Pneumatic Tool Co., Aurora, Ill.
Ingersoll-Rand Co., New York, N. Y.
Mall Tool Co., Chicago, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Misener Mfg. Co., Inc., Syracuse, N. Y.
Rotor Tool Co., The, Cleveland, Ohio
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Skilsaw, Inc., Chicago, Ill.
Speedway Mfg. Co., Cicero, Ill.
Standard Electrical Tool Co., The, Cincinnati, Ohio
Stanley Electrical Tool Division, The Stanley Works, New Britain, Conn.
Stow Manufacturing Co., Inc., Binghamton, N. Y.
Syntron Company, Homer City, Pa.
United States Electrical Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., The, Towson, Md.
Wodack Electric Tool Corp., Chicago, Ill.

DRILLS, Pneumatic

Ace Drill Corp., Detroit, Mich.
Aro Equipment Corp., The, Byran, Ohio
Buckeye Tools Corp., Dayton, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div. of Reed Roller Bit Co., Houston, Texas
Dallett Co., The, Philadelphia, Pa.
Independent Pneumatic Tool Co., Aurora, Ill.
Ingersoll-Rand Co., New York, N. Y.
Keller Tool Co., Grand Haven, Mich.
Mall Tool Co., Chicago, Ill.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Rotor Tool Co., Cleveland, Oh.o
Schramm, Inc., West Chester, Pa.
Skilsaw, Inc., Chicago, Ill.
Worthington Pump and Machinery Corp., Harrison, N. J.

DRILLS, Pneumatic, Portable

Black & Decker Mfg. Co., The, Towson, Md.
Buckeye Tools Corp., Dayton, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div., Reed Roller Bit Co., Houston, Tex.
Dallett Co., The, Philadelphia, Pa.
Joy Mfg. Co., Pittsburgh, Pa.
Keller Tool Co., Grand Haven, Mich.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Mall Tool Co., Chicago, Ill.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Randall Mfg. Co., N. Kansas City, Mo.
Skilsaw, Inc., Chicago, Ill.
United States Steel Supply Co., Chicago, Ill.
Van Dorn Tool Co., Towson, Md.

DRILLS, Torch-Tip Cleaning

(See: "Tip-Cleaners")

DRILLS, Twist

Ace Drill Corp., Detroit, Mich.
Ampco Twist Drill Co., Jackson, Mich.
Bay State Tap & Die Co., Mansfield, Mass.
Chicago Latrobe Twist Drill Works, Chicago, Ill.
Cincinnati Tool Co., The, Cincinnati, Ohio
Clark Equipment Co., Buchanan, Mich.
Cleveland Twist Drill Co., The, Cleveland, Ohio
Cogsdill Twist Drill Co., Detroit, Mich.
Greenfield Tap & Die Corp., Greenfield, Mass.

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Standard Tool Co., Cleveland, Ohio
Stanley Tools, Division of the Stanley Works, New Britain, Conn.
Threadwell Tap & Die Co., Greenfield, Mass.
Union Twist Drill Co., Athol, Mass.
U. S. Steel Supply Co., Chicago, Ill.
Vascoloy-Ramet Corp., Waukegan, Ill.
Whitman & Barnes, Detroit, Mich.

DUST COLLECTORS

(See "Collectors, Exhausters and Blower Systems")

EAR PROTECTORS, Weldors'

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Scientific Equip. Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
McDonald Co., B. F., Los Angeles, Calif.
Mine Safety Appliances Co., Pittsburgh, Pa.
Safety Clothing & Equipment Co., Cleveland, Ohio
Standard Safety Equipment Co., Chicago, Ill.
Willson Products, Inc., Reading, Pa.

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Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Oxygen Service Corp., Harrison, N. J.
Boyer-Campbell Co., The, Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Ergolyte Mfg. Co., Philadelphia, Pa.
Fibre-Metal Prod. Co., Chester, Pa.
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Prod. Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Marquette Mfg. Co. Inc., Minneapolis, Minn.
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Safety Clothing & Equip. Co., Cleveland, Ohio
Singer Leather Clothing Co., Philadelphia, Pa.
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Victor Equipment Co., San Francisco, Calif.
Welding Engineering Co., Milwaukee, Wis.
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ELECTRODE COATING MATERIALS

(See: "Coating Materials, Electrode")

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Allied Weld-Craft, Inc., Indianapolis, Ind.
Arc Welding Supply Co., Bronx, N. Y.
Aro Welder Mfg. Co., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Ben-Nek Holder, Inc., East Haven, Conn.
Bernard Welding Equipment Co., Chicago, Ill.
Boyer-Campbell Co., The, Detroit, Mich.
Burdett Oxygen Co., Cleveland, Ohio
Cam-Lok, Div. of Empire Prod., Inc., Cincinnati 36, Ohio
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Craftweld Equip. Corp., Long Island City, N. Y.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Detroit Electrode Holder Co., Detroit, Mich.
Duro Engineering Co., New Haven, Conn.
Electroloy Co., Inc., Bridgeport, Conn.
Erico Products, Inc., Cleveland, Ohio
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fibre-Metal Prod. Co., The, Chester, Pa.
Flood Safety Prod. Co., Chicago, Ill.
Garibay Mfg. Co., Montebello, Calif.
Gasc Equipment Co., Chicago, Ill.

(Continued on page 36)

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(Continued from page 35)

General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Harnischfeger Corp., Milwaukee, Wis.
Har-Worth Mfg. Co., Sherwood, Ore.
Hobart Bros. Co., Troy, Ohio
Hoffman, R. W. Co. Inc., Chicago, Ill.
Hollup Corp., Chicago, Ill.
Industrial Prod. Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
Martin Wells, Los Angeles, Calif.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Mid-States Equipment Co., Chicago, Ill.
Miller Elec. Mfg. Co., Appleton, Wis.
National Elec. Welding Mach. Co., Bay City, Mich.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Precision Welder Mfg. Co., Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Pulmosan Safety Equipment Co., Brooklyn, N. Y.
Raytheon Mfg. Co., Waltham, Mass.
Resistance Welder Corp., Detroit, Mich.
Safety Clothing & Equip. Co., Cleveland, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
Thermex Equipment Co., Detroit, Mich.
Tipaloy, Inc., Detroit, Mich.
Trindl Products, Ltd., Chicago, Ill.
Tweco Products Co., Wichita, Kan.
US Electric Welder Corp., Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Wagner Mfg. Co., Inc., Jackson, Mo.
Weiger Weed and Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Wells, Martin, Inc., Los Angeles, Calif.
Weldex, Inc., Detroit, Mich.
Welding Engineering Co., Milwaukee, Wis.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODE HOLDERS, Arc-Oxygen

Arcos Corp., Philadelphia, Pa.
Craftsweld Equipment Corp., Long Island City, N. Y.

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McClary & Byers Equipment Co., Oakland, Calif.
Wagner Mfg. Co., Inc., Jackson, Miss.
Williams & Co., Inc., Pittsburgh, Pa.

ELECTRODE HOLDERS, Atomic-Hydrogen

Electric Arc, Inc., Newark, N. J.
General Electric Co., Schenectady, N. Y.
Welding Eng. Corp., Milwaukee, Wis.

ELECTRODE HOLDERS, Carbon

Albert & J. M. Anderson Mfg. Co., Boston, Mass.
American Agile Corp., Cleveland, Ohio
Eisler Engineering Co., Newark, N. J.
Fibre-Metal Prod. Co., The, Chester, Pa.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
Lincoln Electric Co., The, Cleveland, Ohio
National Cylinder Gas Co., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Trindl Prod., Inc., Chicago, Ill.
Tweco Products Co., Wichita, Kans.
US Electric Welder Corp., Toledo, Ohio
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

ELECTRODE HOLDERS, Inert-Gas-Shielded

Bernard Welding Equipment Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Hollup Corp., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Victor Equipment Co., San Francisco, Calif.

ELECTRODE HOLDERS, Resistance

Acme Electric-Welder Co., Los Angeles, Calif.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
American Electric Fusion Corp., Chicago, Ill.
Ampco Metal, Inc., Milwaukee, Wis.
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Eisler Engineering Co., Inc., Newark, N. J.
Electroloy Co., Inc., Bridgeport, Conn.
Fansteel Metallurgical Corp., North Chicago, Ill.
Hollup Corp., Chicago, Ill.
Link Welder Corp., Detroit, Mich.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Progressive Welder Co., Detroit, Mich.
Rex Welder & Engineering Co., Kansas City, Mo.
S-M-S Corp., Detroit, Mich.
Smith Bros. Machine Corp., San Diego, Calif.
Taylor-Winfield Corp., The, Warren, Ohio
Tipaloy, Inc., Detroit, Mich.
Universal Welder Corp., Cleveland, Ohio
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

ELECTRODE HOLDERS, Underwater
(See: "Electrode Holders, Arc-Oxygen")

ELECTRODE KITS
(See: "Kits, Electrode")

ELECTRODE-PROCESSING EQUIPMENT

Mosio Machinery Co., Cleveland, Ohio

ELECTRODES, Aluminum

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All State Welding Alloys Co., Inc., White Plains, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., The, Cleveland, Ohio
Eutectic Welding Alloys Co., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Hollup Corp., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Ragle Industries, Kansas City, Mo.
Smith Corp., A. O., Milwaukee, Wis.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
United States Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Wow Welding Specialties Co., Chicago, Ill.
Weldaloy Products Co., Detroit, Mich.
Welding Alloys Mfg. Co., Newark, N. J.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder and Metals Co., Inc., New York, N. Y.
Wooldridge Aluminum Welding Products, Inc., Malden, Mass.

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ELECTRODES, Aluminum-Bronze

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American Brass Co., Waterbury, Conn.
Ampco Metal, Inc., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Commerce Pattern Foundry & Mach. Co., Detroit, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oregon
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Arc-Oxygen

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Industrial Air Prod. Co., Portland, Oregon
Lincoln Electric Co., Cleveland, Ohio
Metal & Thermit Corp., New York, N. Y.
Reid-Avery Co., Baltimore, Md.
Steel Sales Corp., Chicago, Ill.
Westinghouse Electric Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

ELECTRODES, Beryllium-Copper (Discontinued)

ELECTRODES, Bronze

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All State Welding Alloys Co., Inc., White Plains, N. Y.
American Arc Welders, Inc., Roseau, Minn.
American Agile Corp., Cleveland, Ohio
American Brass Co., Waterbury, Conn.
Ampco Metal, Inc., Milwaukee, Wis.
Bridgeport Brass Co., Bridgeport, Conn.
Burdett Oxygen Co., Cleveland, Ohio
Central Steel & Wire Co., Chicago, Ill.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Champion Rivet Co., Cleveland, Ohio.
Commerce Pattern Foundry & Mach. Co., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Johnston, A. P., Los Angeles, Calif.
Krembs & Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mueller Brass Co., Port Huron, Mich.
National Cylinder Gas Co., Chicago, Ill.
National Elec. Welding Mach. Co., Bay City, Mich.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Phillips, C. E., & Company, Detroit, Mich.
Phosphor Bronze Corp., The, Seymour, Conn.
Revere Copper & Brass, Inc., New York, N. Y.
Reid-Avery Co., Dundalk, Md.
Seymour Mfg. Co., Seymour, Conn.
Smith Corp., A. O., Milwaukee, Wis.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Welding Equipment Supply Co., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Carbon

Albert & J. M. Anderson Mfg. Co., Boston, Mass.
All-State Welding Alloys Co., Inc., White Plains, N. Y.

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Burdett Oxygen Co., Cleveland, Ohio
Dixon Crucible Co., Joseph, Jersey City, N. J.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Hollup Corp., Chicago, Ill.
Allen Electric & Equipment Co., Kalamazoo, Mich.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
National Carbon Div., Union Carbide and Carbon Corp., New York, N. Y.
Ohio Carbon Co., The, Cleveland, Ohio
Precision Welder Mfg. Co., Chicago, Ill.
Pure Carbon Co., St. Marys, Pa.
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co., St. Marys, Pa.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Cast-Iron Welding

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All State Welding Alloys Co., White Plains, N. Y.
American Arc Welders, Inc., Roseau, Minn.
American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Anthony Carlin Co., The, Cleveland, Ohio
Arcos Corporation, Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Armite Laboratories, Los Angeles, Calif.
Burdett Oxygen Co., Cleveland, Ohio
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Chicago Hardware Foundry Co., No. Chicago, Ill.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Ever-Tite Alloys Corp., New York, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
International Nickel Co., Inc., New York, N. Y.
Krembs & Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McKay Co., Pittsburgh, Pa.
Miller Electric Mfg. Co., Richmond, Ind.
National Carbon Co., Inc., Cleveland, Ohio
National Cylinder Gas Co., Chicago, Ill.
Northeast Metals Co., Philadelphia, Pa.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Phillips, C. E., & Co., Detroit, Mich.
Precision Welder Mfg. Co., Chicago, Ill.
Reid-Avery Co., Dundalk, Baltimore, Md.
Resisto-Loy Company, S. W., Grand Rapids, Mich.
Shober Sales, Inc., Stockton, Calif.
Sight Feed Generator Co., The, West Alexandria, Ohio
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
US Electric Welder Corp., Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Welding Equipment & Supply Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Copper

Akron Bronze & Aluminum Co., Akron, Ohio
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Brass Co., Waterbury, Conn.
Ampco Metal, Inc., Milwaukee, Wis.
Arc Welding Supply Co., Bronx, N. Y.
Arcos Corp., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Burdett Oxygen Co., Cleveland, Ohio
Cleveland Tungsten, Inc., Cleveland, Ohio
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Davies & Son, Inc., Los Angeles, Cal.
Eutectic Welding Alloys Co., Flushing, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Krembs & Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Link Welder Corp., Detroit, Mich.
National Cylinder Gas Co., Chicago, Ill.
Resistance Welder Corp., Detroit, Mich.
Revere Copper & Brass, Inc., New York, N. Y.
Steel Sales Corp., Chicago, Ill.
Tipaloy, Inc., Detroit, Mich.
U. S. Steel Supply Co., Chicago, Ill.
Weldit, Inc., Detroit, Mich.
Welding Equipment & Supply Co., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Cutting

All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio
American Oxygen Service Corp., Harrison, N. J.
Arcos Corp., Philadelphia, Pa.
Craftsweld Equipment Corp., Long Island City, N. Y.
Eutectic Welding Alloys Corp., New York, N. Y.
Harnischfeger Corp., Milwaukee, Wisc.
Hobart Bros. Co., The, Troy, Ohio
Reid Avery Co., Dundalk, Baltimore, Md.
Shober Sales Inc., Stockton, Cal.
Standard Steel & Wire Co., Bolivar, Pa.

ELECTRODES, 11-14% Manganese

Air Reduction Sales Co., New York, N. Y.
Allied-Weld-Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., The, Cleveland, Ohio
Central Steel & Wire Co., Chicago, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Champion Rivet Co., The, Cleveland, Ohio
Commerce Pattern Foundry & Mach. Co., Detroit, Mich.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Manganese Steel Forge Co., Philadelphia, Pa.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metal & Thermit Corp., New York, N. Y.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
National Cylinder Gas Co., Chicago, Ill.
National Welders Supply Co., Charlotte, N. C.
Page Steel and Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Smith Corp., A. O., Milwaukee, Wis.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stulz-Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
U. S. Steel Supply Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metal Co., Inc., New York, N. Y.

TRADE NAMES
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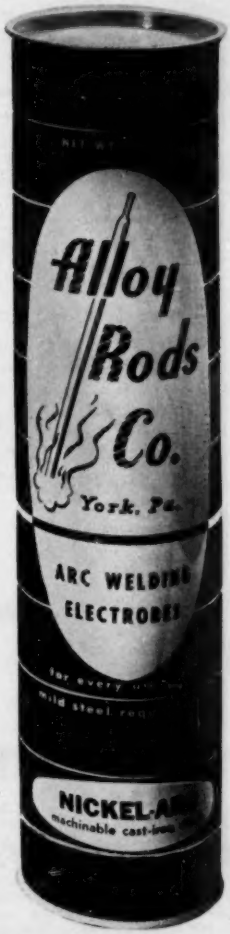

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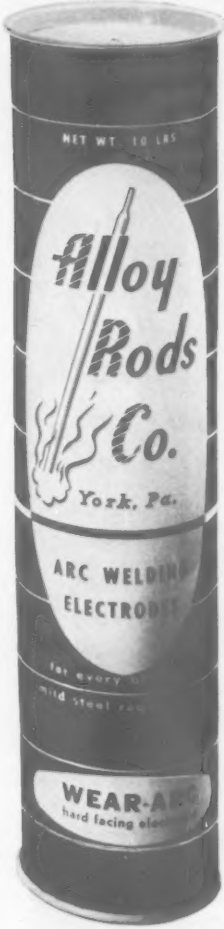

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All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio
American Manganese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
Arcos Corporation, Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Armite Laboratories, Los Angeles, Calif.
Bingrod Co., Kalamazoo, Mich.
Burdett Oxygen Co., The, Cleveland, Ohio
Callite Tungsten Corporation, Union City, N. J.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Chicago Hardware Foundry Co., North Chicago, Ill.
Cleveland Tungsten, Inc., Cleveland, Ohio
Delloy Metals, Philadelphia, Pa.
Eutectic Welding Alloys Co., Flushing, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
Fansteel Metallurgical Corp., North Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., Kokomo, Ind.
Hollup Corp., Chicago, Ill.
Hobart Bros Co., The, Troy, Ohio
Industrial Air Products Co., Portland, Ore.
Lincoln Electric Co., The, Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio
Metal & Thermit Corp., New York, N. Y.
McDonald Co., E. J., The, Reno, Nev.
McKay Co., Pittsburgh, Pa.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
National Cylinder Gas Co., Chicago, Ill.
Phillips, C. E., & Co., Detroit, Mich.
Rankin Mfg. Co., Los Angeles, Calif.
Reid-Avery Co., Dundalk, Baltimore, Md.
Resisto-Loy Co., Grand Rapids, Mich.
Shober Sales, Inc., Stockton, Calif.
Sight Feed Generator Co., The, West Alexandria, Ohio
Smith Corp., A. O., Milwaukee, Wis.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
Stulz-Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Wall Colmonoy Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Welding Equipment & Supply Co., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Heat-Resisting

Air Reduction Sales Co., New York, N. Y.
Allegheny Ludlum Steel Corp., Brackenridge, Pa.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Alloy Rods Co., York, Pa.
American Managanese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
Arcos Corp., Philadelphia, Pa.
Armite Laboratories, Los Angeles, Calif.
Central Steel & Wire Co., Chicago, Ill.
Cleveland Tungsten, Inc., Cleveland, Ohio
Coast Metals, Inc., Canton, Ohio
Delloy Metals, Philadelphia, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Johnson, A. P., Los Angeles, Calif.
Lincoln Electric Co., The, Cleveland, Ohio
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio
McKay Co., Pittsburgh, Pa.
Metal & Thermit Corp., New York, N. Y.
Michigan Steel Casting Co., Detroit, Mich.
National Cylinder Gas Co., Chicago, Ill.
Page Steel & Wire Div. of American Chain & Cable Co., Inc., Monessen, Pa.
Reid-Avery Co., Dundalk, Baltimore, Md.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Smith Corp., A. O., Milwaukee, Wis.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
U. S. Steel Supply Co., Chicago, Ill.
Wall Colmonoy Corp., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder and Metals Co., New York, N. Y.

ELECTRODES, High-Tensile

Air Reduction Sales Co., New York, N. Y.
Allied Weldcraft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Arcos Corp., Philadelphia, Pa.

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"Engineered Toughness" in Rexarc Electrodes means extra wear, longer resistance to shock, heavy impact and abrasion. Rexarc is economical, too. Fast, smooth running Rexarc costs less because you get more deposit per pound, minimum spatter loss. Write for leaflet.

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Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio.
Chicago Steel & Wire Co., Chicago, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
Lincoln Electric Co., The, Cleveland, Ohio.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McKay Co., Pittsburgh, Pa.
Metal & Thermit Corp., New York, N. Y.
National Cylinder Gas Co., Chicago., Ill.
National Electric Welding Mach. Co., Bay City, Mich.
Page Steel & Wire Div., American Chain & Cable Co., Monessen, Pa.
Reid-Avery Co., Dundalk, Baltimore, Md.
Smith, A. O., corp., Milwaukee, Wis.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Universal Welder Corp., Cleveland, Ohio
Westinghouse Elec. Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y

ELECTRODES, Inconel

Allied Weld-Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Arcos Corporation, Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., Cleveland, Ohio.
Eutectic Welding Alloy Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Holden, A. F., Co., The, New Haven, Conn.
Hollup Corp., Chicago, Ill.
International Nickel Co., Inc., New York, N. Y.
Johnston, A. P., Los Angeles, Calif.
Lincoln Electric Co., Cleveland, Ohio.
Marquette Mfg. Co., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio.
National Cylinder Gas Co., Chicago, Ill.
Phillips, C. E., & Co., Detroit, Mich.
Steel Sales Corp., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Lime-Ferritic

(See: "Electrodes, Low Hydrogen")

ELECTRODES, Low Hydrogen

Air Reduction Sales Co., New York, N. Y.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Arcos Corp., Philadelphia, Pa.
Burdett Oxygen Co., Cleveland, Ohio.
Champion Rivet Co., The, Cleveland, Ohio.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Lincoln Electric Co., Cleveland, Ohio.
McKay Co., The, Pittsburgh, Pa.
Metal & Thermit Corp., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
North American Phillips Co., Inc., New York, N. Y.
Page Steel & Wire Div. of American Chain & Cable Co., Inc., Monessen, Pa.
Reid-Avery Co., Dundalk, Baltimore, Md.
Smith Corp., A. O., Milwaukee, Wis.
Standard Steel & Wire Co., Bolivar, Pa.

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WELDING SALES & engineering co., 8750 Grinnell Ave., Detroit 13, Mich.

Steel Sales Corp., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Manganese-Bronze

Allied Weld Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Brass Co., The, Waterbury, Conn.
American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio
Central Steel and Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio.
Hobart Bros. Co., The, Troy, Ohio
Lincoln Electric Co., Cleveland, Ohio.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Steel Sales Corp., Chicago, Ill.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Manganese-Nickel

All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio.
Arcos Corp., Philadelphia, Pa.
Burdett Oxygen Co., Cleveland, Ohio.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Industrial Air Prod. Co., Portland, Ore.
MacDonald Co., Inc., Reno, Nev.
Manganese Steel Forge Co., Philadelphia, Pa.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Reid-Avery Co., Dundalk, Baltimore, Md.
Sight Feed Generator Co., The, West Alexandria, Ohio.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
Stutz Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Monel

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., Cleveland, Ohio.
Eutectic Welding Alloys Co., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
International Nickel Co., Inc., New York, N. Y.
Lincoln Electric Co., Cleveland, Ohio.
Northeast Metals Co., Philadelphia, Pa.
Reid-Avery Sales Co., Baltimore, Md.
Steel Sales Corp., Chicago, Ill.
Universal Welder Corp., Cleveland, Ohio
Welding Equipment & Supply Co., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Nickel

Air Reduction Sales Co., New York, N. Y.
All-State Welding Alloys Co., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., Cleveland, Ohio.
Central Steel and Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio.
Eutectic Welding Alloys Co., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Haynes Stellite Co., New York, N. Y.
Holden, A. F., Co., The, New Haven, Conn.
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
International Nickel Co., Inc., New York, N. Y.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McKay Co., The, Pittsburgh, Pa.
Metal & Thermit Corp., New York, N. Y.
Northeast Metals Co., Philadelphia, Pa.
Reid Avery Co., Dundalk, Baltimore, Md.
Sight Feed Generator Co., The, West Alexandria, Ohio.
Steel Sales Corp., Chicago, Ill.
Standard Steel & Wire Co., Bolivar, Pa.
Universal Welder Corp., Cleveland, Ohio
Welding Equipment & Supply Co., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Nickel Manganese

Air Reduction Sales Co., Div. Air Reduction Co., Inc., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., The, Cleveland, Ohio.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Haynes Stellite Co., New York, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio.
Manganese Steel Forge Co., Philadelphia, Pa.
McKay Co., The, Pittsburgh, Pa.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
National Cylinder Gas Co., Chicago, Ill.
National Welders Supply Co., Charlotte, N. C.
Page Steel and Wire Div., American Chain & Cable Co., Monessen, Pa.
Resisto-Loy Co., Grand Rapids, Mich.
S-M-S Corp., Detroit, Mich
Sight Feed Generator Co., West Alexandria, Ohio.
Smith Corp., A. O., Milwaukee, Wis.
Standard Electrode & Mfg. Co., Philadelphia, Pa.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
Stutz-Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
U.S. Steel Supply Co., Chicago, Ill.
Universal Welder Corp., Cleveland, Ohio.
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Welding Service Sales, Inc., San Francisco, Calif.
Westinghouse Electric Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Resistance-Welding

(See: "Electrodes, Seam-Welding," "Electrodes, Spot-Welding" and "Dies, Projection-Welding")

ELECTRODES, Seam-Welding

Acme Electric Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wisc.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Ampco Metal, Inc., Milwaukee, Wis.
Beryllium Corp., Reading, Pa.
Burdett Oxygen Co., Cleveland, Ohio
Electroloy Co., Inc., The, Bridgeport, Conn.
Eisler Engineering Co., Newark, N. J.
Fansteel Metallurgical Corp., North Chicago, Ill.
Federal Machine & Welder Co., The, Warren, Ohio.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Krembs & Co., Chicago, Ill.
Link Welder Corp., Detroit, Mich.
Mallory & Co., Inc., P. R., Indianapolis, Ind.
National Cylinder Gas Co., Chicago, Ill.
O. K. I. Welding Co., Cincinnati, Ohio
Precision Welder & Machine Co., Cincinnati, Ohio
Resistance Welder Corp., Detroit, Mich.
S-M-S Corp., Detroit, Mich.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio.
Thomson Electric Welder Co., Lynn, Mass.
Tipaloy, Inc., Detroit, Mich.
Universal Welder Corp., Cleveland, Ohio.
Weldex, Inc., Detroit, Mich.
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

ELECTRODES, Spot-Welding

Acme Electric Welder Co., Los Angeles, Calif.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Ampco Metal, Inc., Milwaukee, Wis.
Burdett Oxygen Co., Cleveland, Ohio.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Eisler Engineering Co., Newark, N. J.
Electroloy Co., Inc., The, Bridgeport, Conn.
Fansteel Metallurgical Corp., North Chicago, Ill.
Federal Machine & Welder Co., The, Warren, Ohio.
Hoffman, R. W. Co., Inc., Chicago, Ill.
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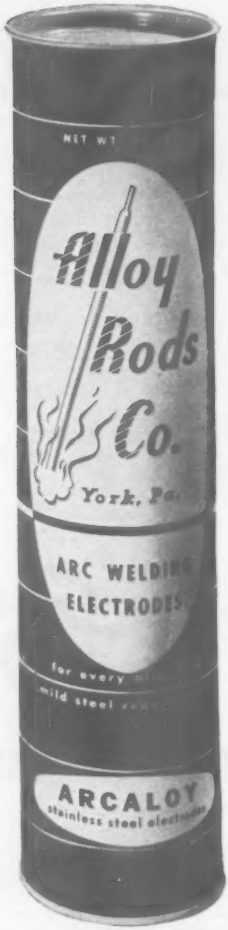

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Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio.
Thomson Electric Welder Co., Lynn, Mass.
Tipaloy, Inc., Detroit, Mich.
Universal Welder Corp., Cleveland, Ohio.
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.
Welding Sales & Engr. Co., Detroit, Mich.

ELECTRODES, Spot-Welding Refrigerated

Acme Electric Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wis.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Cleveland Tungsten, Inc., Cleveland, Ohio
Commerce Pattern Foundry & Machine Co., Detroit, Mich
Eisler Engineering Co., Inc., Newark, N. J.
Electroloy Co., Inc., Bridgeport, Conn.
Fansteel Metallurgical Corp., North Chicago, Ill.
Federal Machine & Welder Co., The, Warren, Ohio
Frostrode Products, Detroit, Mich.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Mallory & Co., Inc., P. R., Indianapolis, Ind.
Sciaky Bros., Chicago, Ill.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Weldaloy Products Co., Detroit, Mich.
Weldex, Inc., Detroit, Mich.
Welding Sales & Engr. Co., Detroit, Mich.

ELECTRODES, Stainless-Steel

Air Reduction Sales Co., Div. Air Reduction Co., Inc., New York, N. Y.
Allegheny Ludlum Steel Corp., Pittsburgh, Pa.
Allied Weldcraft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., White Plains, N. Y.
American Manganese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
American Oxygen Service Corp., Harrison, N. J.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Armite Laboratories, Los Angeles, Calif.
Burdett Oxygen Co., The, Cleveland, Ohio
Castle, A. M., & Co., Chicago, Ill.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Chicago Steel & Wire Co., Chicago, Ill.
Crucible Steel Co. of America, New York, N. Y.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Illium Corp., The, Freeport, Ill.
Industrial Air Products Co., Portland, Ore.
Jessop Steel Co., Washington, Pa.
Johnston, A. P., Los Angeles, Calif.
Krembs & Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Manganese Steel Forge Co., Philadelphia, Pa.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio
McKay Co., Pittsburgh, Pa.
Metal & Thermit Corp., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Reid-Avery Co., Baltimore, Md.
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Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Steel, Mild

Air Reduction Sales Co., Div. Air Reduction Co., Inc., New York, N. Y.
Allied Weldcraft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
American Oxygen Service Corp., Harrison, N. J.
Arcos Corp., Philadelphia, Pa.
Anthony Carlin Co., Cleveland, Ohio
Arc Welding Supply Co., Bronx, N. Y.
Armco Steel Corp., Middletown, Ohio
Burdett Oxygen Co., Cleveland, Ohio
American Agile Corp., Cleveland, Ohio.
Castle, A. M., & Co., Chicago, Ill.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio.
Chicago Steel & Wire Co., Chicago, Ill.
Crucible Steel Co. of America, New York, N. Y.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Electric Arc, Inc., Newark, N. J.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Graybar Electric Co., New York, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Krembs & Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McKay Co., Pittsburgh, Pa.
Metal & Thermit Corp., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
North American Philips Co., Inc., New York, N. Y.
Page Steel & Wire Div., American Chain & Cable Co., Monessen, Pa.
Precision Welder Mfg. Co., Chicago, Ill.
Reid-Avery Co., Dundalk, Baltimore, Md.
Shober Sales, Inc., Stockton, Calif.
Smith Corp., A. O., Milwaukee, Wis.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Electrode & Mfg. Co., Philadelphia, Pa.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
U. S. Electric Welder Corp., Toledo, Ohio.
United States Steel Supply Co., Chicago, Ill.
Welding Service Sales, Inc., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Wilson Welder & Metals Co., New York, N. Y.

ELECTRODES, Tool and Die

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Burdett Oxygen Co., The, Cleveland, Ohio.
Central Steel & Wire Co., Chicago, Ill.
Coast Metals, Inc., Canton, Ohio.
Crucible Steel Co. of America, New York, N. Y.
Ewr-Tite Alloys Co., New York, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
Fansteel Metallurgical Corp., North Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio.
Marquette Mfg. Co., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio.
McKay Co., Pittsburgh, Pa.
National Cylinder Gas Co., Chicago, Ill.
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Reid-Avery Co., Dundalk, Baltimore, Md.
Resisto-Loy Company, Grand Rapids, Mich.
S-M-S Corporation, Detroit, Mich.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Equipment & Supply Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

ELECTRODES, Tungsten

Air Reduction Sales Co., Div. Air Reduction Co., Inc., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
Burdett Oxygen Co., The, Cleveland, Ohio.
Cleveland Tungsten, Inc., Cleveland, Ohio.
Eisler Engineering Co., Newark, N. J.
Eutectic Welding Alloys Corp., Flushing, N. Y.
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AW28	AWS Class E9015
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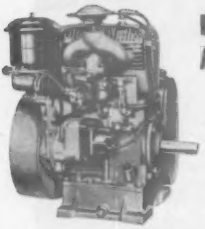

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Maurath, Inc., Cleveland, Ohio.
McKay Co., The, Pittsburgh, Pa.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
North American Philips Co., Inc., New York, N. Y.
Sight Feed Generator Co., The, West Alexander, Ohio.
Sylvania Elect. Prod. Inc., Towanda, Pa.
Tipaloy, Inc., Detroit, Mich.
Victor Equipment Co., San Francisco, Calif.
Weiger Weed & Co., Div. of Fansteel Metallurgical, Detroit, Mich.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Tungsten Carbide

Air Reduction Sales Co., Div. Air Reduction Co., Inc., New York, N. Y.
Coast Metals, Inc., Canton, Ohio.
American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Armite Laboratories, Los Angeles, Calif.
Fansteel Metallurgical Corp., North Chicago, Ill.
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., Kokomo, Ind.
Lincoln Electric Co., Cleveland, Ohio.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
Sight Feed Generator Co., The, West Alexandria, Ohio
Stoody Co., Whittier, Calif.
Weiger Weed & Co., Div. of Fansteel Metallurgical, Detroit, Mich.
Wilson Welder & Metals Co., Inc., New York, N. Y.

ELECTRODES, Underwater, Cutting

(See: " Electrodes, Arc-Oxygen")

ELECTRODES, Underwater, Welding

Burdett Oxygen Co., Cleveland, Ohio.
Craftsweld Equip. Corp., Long Island City, N. Y.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Lincoln Electric Co., The, Cleveland, Ohio.
Metal & Thermit Corp., New York, N. Y.
Universal Welder Corp., Cleveland, Ohio.
Williams & Co., Inc., Pittsburgh, Pa.

ELECTRONIC CONTROLS, Flame-Cutting

Air Reduction Sales Co., New York, N. Y.
Automatic Temperature Control Co., Inc., Philadelphia, Pa.
Combustion Control Corp., Cambridge, Mass.
Industrial Scientific Co., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
Struthers Wells Corp., Titusville, Pa.
Westinghouse Electric Corp., Pittsburgh, Pa.

ELECTRONIC CONTROLS RESISTANCE-WELDING

(See also: "CONTROLS, RESISTANCE-WELDING," "TIMERS, RESISTANCE-WELDING")

Acme Electric Welder Co., Los Angeles, Calif.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Automatic Temperature Control Co., Philadelphia, Pa.
Eisler Engineering Co., Inc., Newark, N. J.
Electrical Industries, Inc., Newark, N. J.
Electric Controller & Mfg. Co., The, Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Hercules Elec. & Mfg. Co., Inc., Brooklyn, N. Y.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Photovolt Corp., New York, N. Y.
Progressive Welder Co., Detroit, Mich.
Square-D Co., Milwaukee, Wis.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio.
Vangtronic Corp., The, Bridgeport, Conn.
Weltronic Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.

ELECTRONIC TUBES

Electrons, Inc., Newark, N. J.
Federal Telephone & Radio Corp., Clifton, N. J.
General Electric Co., Schenectady, N. Y.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Induction Heating Corp., Brooklyn, N. Y.
Ken-Rad Tube and Lamp Corp., Owensboro, Ky.
Radio Corp. of America, Tube Division, Harrison, N. J.
Vangtronic Corp., The, Bridgeport, Conn.
Westinghouse Electric Corp., Pittsburgh, Pa.

EMERY and OTHER ABRASIVES

Abrasive Products, Inc., South Braintree, Mass.
Armour Sandpaper Works, Chicago, Ill.
Bay State Abrasive Products, Westboro, Mass.
Behr-Manning Corp., Troy, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Carborundum Co., The, Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., Chicago, Ill.
Macklin Co., Jackson, Mich.
Michigan Abrasive Co., Detroit, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Norton Co., Worcester, Mass.
Simonds Worden White Co., Dayton, Ohio

ENGINES, Air Cooled

Wisconsin Motor Corp., Milwaukee, Wis.

EXHAUST FANS

(See: "Fans Exhaust")

EXHAUSTERS, Gas

Allis-Chalmers Manufacturing Co., Milwaukee, Wis.
Buffalo Forge Co., Buffalo, N. Y.
Clarage Fan Co., Kalamazoo, Mich.
General Blower Co., Morton Grove, Ill.
Paasche Airbrush Co., Chicago, Ill.
Roots-Connersville Blower Corp., Connersville, Ind.
Sturtevant, B. F., Co., Division of Westinghouse Electric, Hyde Park, Boston, Mass.
Worthington Pump & Machinery Corp., Harrison, N. J.

EXTINGUISHERS, Fire

Allen, W. D., Mfg. Co., Chicago, Ill.
American-LaFrance-Foamite Corp., Elmira, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Ansul Chemical Co., Marinette, Wis.
Bowser, Inc., Fort Wayne, Ind.
Buffalo Fire Appliance Corp., Dayton, Ohio.
Burdett Oxygen Co., Cleveland, Ohio.
C-O Two Fire Equipment Co., Newark, N. J.
Diener, Geo. W., Mfg. Co., Chicago, Ill.
General Detroit Corp., The, Detroit, Mich.
Justrite Mfg. Co., Chicago, Ill.
Kidde, Walter, & Co., Inc., Belleville, N. J.
National Powder Extinguisher Corp., New York, N. Y.
Parker, Inc., W. D., New York, N. Y.
Pressurelube, Inc., New York, N. Y.
Pyrene Manufacturing Co., Newark, N. J.
Randolph Laboratories, Chicago, Ill.
Raybestos-Manhattan, Inc., Passaic, N. J.
Safety Clothing & Equipment Co., Cleveland, Ohio.

EXTRACTORS, Bolt and Screw

Chicago Latrobe Twist Drill Works, Chicago, Ill.
Cleveland Twist Drill Co., The, Cleveland, Ohio
Duro Metal Products Co., Chicago, Ill.
Greenfield Tap & Die Corp., Greenfield, Mass.
Owatonna Tool Co., Owatonna, Minn.
Plomb Tool Co., Los Angeles, Calif.
Quality Tools Corp., New Wilmington, Pa.
Ridge Tool Co., The, Elyria, Ohio. (Also pipe.)
Standard Tool Co., Cleveland, Ohio.
Stanley Tools, New Britain, Conn.
Whitman & Barnes, Detroit, Mich.

EXTRUSION PRESSES, Electrode

Aufhauser Brothers Corp., New York, N. Y.
Baldwin Locomotive Works, The, Philadelphia, Pa.
Detroit First Aid Co., Detroit, Mich.
Hydraulic Press Mfg. Co., The, Mount Gilead, Ohio.
Mosio Machinery Co., Cleveland, Ohio.
Watson-Stillman Co., Roselle, N. J.

EYE DROPS

Ashton's Pharmacist, Youngstown, Ohio
Carhoff Co., Cleveland, Ohio.
Detroit First Aid Company, Detroit, Mich.
General Scientific Equipment Co., Philadelphia, Pa.
Murine Co., Chicago, Ill.

FACE SHIELDS, Arc Welding

(See also: "Helmets, Arc Welding")

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
American Agile Corp., Cleveland, Ohio.
American Industrial Safety Equipment Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Borm Mfg. Co., Elgin, Ill.
Boyer-Campbell Co., Detroit, Mich.
Burdett Oxygen Co., Inc., Cleveland, Ohio.
Champion Rivet Co., Cleveland, Ohio.
Chicago Eye Shield Co., Chicago, Ill.
Craftsweld Equipment Corp., Long Island City, N. Y.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eastern Safety Equipment Co., New York, N. Y.
Ergolyte Mfg. Co., Philadelphia, Pa.
Fibre-Metal Prod. Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
Kedman Co., Salt Lake City, Utah.
K-G Welding and Cutting Co., New York, N. Y.
Kimball Safety Prod. Co., Cleveland, Ohio.
Lincoln Electric Co., The, Cleveland, Ohio.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McDonald Co., B. F., Los Angeles, Calif.
Metro Mfg. Co., L. I. City, N. Y.
Mine Safety Appliances Co., Pittsburgh, Pa.
National Cylinder Gas Co., Chicago, Ill.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Parker Safety Equipment Co., Irvington, N. J.
Precision Welder Mfg. Co., Chicago, Ill.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Rail Supply Co., New York, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Sellstrom Mfg. Co., Chicago, Ill.
Southern Oxygen Co., Inc., Washington, D. C.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Safety Equipment Co., Chicago, Ill.
Steel Sales Corp., Chicago, Ill.
Trindl Prod. Ltd., Chicago, Ill.
United States Steel Supply Co., Chicago, Ill.
Universal Welder Corp., Cleveland, Ohio.
Victor Equipment Co., San Francisco, Calif.
Welding Engineering Co., Milwaukee, Wis.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Wheeler, F. H. Mfg. Co., Chicago, Ill.
Willson Products, Inc., Reading, Pa.
Will-Weld Mfg. Co., Inc., Omaha, Neb.
Wilson Welder & Metals Co., Inc., New York, N. Y.

FACE SHIELDS, Gas

Air Reduction Sales Co., New York, N. Y.
Boyer-Campbell Co., Detroit, Mich.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eastern Safety Equipment Co., New York, N. Y.
Fibre-Metal Prod. Co., Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Scientific Equip. Co., Philadelphia, Pa.
Hollup Corp., Chicago, Ill.
Industrial Prod. Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
Kedman Co., Salt Lake City, Utah
Kimball Safety Prod. Co., Cleveland, Ohio

Lincoln Electric Co., Cleveland, Ohio
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
McDonald Co., B. F., Los Angeles, Calif.
Metro Mfg. Co., Long Island City, N. Y.
Mine Safety Appliances Co., Pittsburgh, Pa.
National Cylinder Gas Co., Chicago, Ill.
Parker Safety Equipment Co., Irvington, N. J.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Selistrom Mfg. Co., Chicago, Ill.
S-M-S Corporation, Detroit, Mich.
Standard Safety Equipment Co., Chicago, Ill.
Streichert, E. J., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Welding Engineering Co., Milwaukee, Wis.
Welsh Mfg. Co., Providence, R. I.
Whitehead Metal Products Co., Inc., New York, N. Y.

FACE SHIELDS, Welding Inspection

Air Reduction Sales Co., New York, N. Y.
American Industrial Safety Equipment Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., The, Detroit, Mich.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Eyeshield Co., Chicago, Ill.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Products Co., Philadelphia, Pa.
Kedman Co., Salt Lake City, Utah
Kimball Safety Prod. Co., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquett Mfg. Co., Inc., Minneapolis, Minn.
Metro Mfg. Co., L. I. City, N. Y.
Mine Safety Appliances Co., Pittsburgh, Pa.
Precision Welder Mfg. Co., Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
S-M-S Corp., Detroit, Mich.
Safety Clothing & Equipment Co., Cleveland, Ohio
Selistrom Mfg. Co., Chicago, Ill.
Standard Safety Equip. Co., Chicago, Ill.
Streichert, E. J., Chicago, Ill.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

FANS, Exhaust

American Blower Corp., Dearborn, Mich.
Autovent Fan & Blower Div. The Herman Nelson Corp., Chicago, Ill.
Baldor Electric Co., St. Louis, Mo.
Chelsea Fan & Blower Co., Inc., Irvington, N. J.
Clarage Fan Co., Kalamazoo, Mich.
Coppus Engineering Corp., Worcester, Mass.
DeBothezat Fans Div., American Mach. & Metals, Inc., East Moline, Ill.
De Vilbiss Co., The, Toledo, Ohio
Eagle-Picher Co., The, Cincinnati, Ohio
Electric Blower Co., Boston, Mass.
Elliott Mfg. Co., Binghamton, N. Y.
General Blower Co., Morton Grove, Ill.
Hisey-Wolf Machine Co., Cincinnati, Ohio
Ilg Electric Ventilating Co., Chicago, Ill.
Jeffrey Mfg. Co., The, Columbus, Ohio
Joy Mfg. Co., Pittsburgh, Pa.
MacLeod Co., The, Cincinnati, Ohio
Mine Safety Appliances Co., Pittsburgh, Pa.
Nelson, Herman, Div., American Air Filter Co., Inc., Moline, Ill.
Paasche Airbrush Co., Chicago, Ill.
Ruemelin Mfg. Co., Milwaukee, Wisc.
Sturtevant, B. F., Co., Division of Westinghouse Electric, Hyde Park, Boston, Mass.
Swartwout Co., The, Cleveland, Ohio
Trane Co., The, La Crosse, Wis.
Victor Electric Products, Inc., Cincinnati, Ohio
Westinghouse Electric Corp., East Pittsburgh, Pa.

FEEDERS, ROD, Automatic

Aufhauser Bros. Corp., New York, N. Y.
General Electric Co., Schenectady, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Lincoln Electric Co., Cleveland, Ohio
Moslo Machinery Co., Cleveland, Ohio
Victor Equipment Co., San Francisco, Calif.

FIBRE, Sheets and Tubes

Flood Safety Products Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Selistrom Mfg. Co., Chicago, Ill.
Owens-Corning Fiberglas Corp., Toledo, Ohio
Westinghouse Electric Corp., Pittsburgh, Pa.
Wilmington Fibre Specialty Co., Wilmington, Del.

FILES, American Pattern (Hand)

American Swiss File & Tool Co., Elizabeth, N. J.
Atkins, E. C., and Co., Indianapolis, Ind.
Carson-Newton Co., Belleville, N. J.
Delta File Works, Inc., Philadelphia, Pa.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Grobet File Co. of America, New York, N. Y.
Heller Brothers Co., Newark, N. J.
Nicholson File Co., Providence, R. I.
Plumb, Fayette R., Inc., Philadelphia, Pa.
Sandvik Saw & Tool Corp., New York, N. Y.
Simonds Saw & Steel Co., Fitchburg, Mass.

FILES, American Pattern (Machine)

American Swiss File & Tool Co., Elizabeth, N. J.
Bonney Forge & Tool Works, Allentown, Pa.
Carson-Newton Co., Belleville, N. J.
Delta File Works, Philadelphia, Pa.
Disston, Henry & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Grobet Co. of America, New York, N. Y.
Heller Brothers Co., Newark, N. J.
Lutz File & Tool Co., Cincinnati, Ohio
Nicholson File Co., Providence, R. I.
Plumb, Fayette R., Inc., Philadelphia, Pa.
Sandvik Saw & Tool Corp., New York, N. Y.

FILES, Electrode-Tip-Dressing

Mallory & Co., P. H., Inc., Indianapolis, Ind.

FILES, Hand, Carbide

Bonney Forge & Tool Works, Allentown, Pa.
Carson-Newton Co., Belleville, N. J.
Delta File Work, Philadelphia, Pa.
Grobet File Co. of America, New York, N. Y.
Hoffman, R. W. Co. Inc., Chicago, Ill.
Nicholson File Co., Providence, R. I.

FILES, Milled and Curved Tooth

American Swiss File & Tool Co., Elizabeth, N. J.
Atkins, E. C., & Co., Indianapolis, Ind.
Bonney Forge & Tool Works, Allentown, Pa.
Carson-Newton Co., Belleville, N. J.
Delta File Works, Inc., Philadelphia, Pa.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Ford, M. A., Mfg. Co., Inc., Davenport, Iowa.
Grobet File Co. of America, New York, N. Y.
Haskins, R. G., Co., Chicago, Ill.
Heller Brothers Co., Newark, N. J.
Nicholson File Co., Providence, R. I.
Plumb Tool Co., Los Angeles, Calif.
Sandvik Saw & Tool Corp., New York, N. Y.

FILES, Pneumatic

Aro Equipment Corp., Bryan, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cisco Div., Reed Roller Bit Co., Houston, Texas
Ideal Industries, Inc., Sycamore, Ill.
Independent Pneum. Tool Co., Chicago, Ill.
Keller Tool Co., Grand Haven, Mich.

FILES, Rotary

American Swiss File & Tool Co., Elizabeth, N. J.
Aro Equipment Corp., The, Bryan, Ohio.
Carson-Newton Co., Belleville, N. J.
Delta File Works, Inc., Philadelphia, Pa.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Dremel Mfg. Co., Racine, Wis.
Elliott Mfg. Co., New York, N. Y.
Ford, M. A., Mfg. Co., Inc., Davenport, Iowa.
Graham Rotary File & Tool Co., Philadelphia, Pa.
Grobet File Co. of America, New York, N. Y.
Hamilton Tool Co., Hamilton, Ohio.
Heller Brothers Co., Newark, N. J.
Ideal Industries, Inc., Sycamore, Ill.
Jarvis, Charles L., Co., Middletown, Conn.
Nicholson File Co., Providence, R. I.
Plumb, Fayette R., Inc., Philadelphia, Pa.
Pratt & Whitney, Div. Niles-Bement-Pond Co., West Hartford, Conn.
Stow Mfg. Co., Binghamton, N. Y.
Strand, N. A., Div. The Balmar Corp., Chicago, Ill.

FILES, Swiss Pattern (Hand)

American Swiss File & Tool Co., Elizabeth, N. J.
Carson-Newton Co., Belleville, N. J.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Grobet File Co. of America, New York, N. Y.
Heller Brothers Co., Newark, N. J.
Nicholson File Co., Providence, R. I.

FILES, Swiss Pattern (Machine)

American Swiss File & Tool Co., Elizabeth, N. J.
Atkins & Co., E. C., Indianapolis, Ind.
Carson-Newton Co., Belleville, N. J.
DoAll Co., The, Des Plaines, Ill.
Grobet File Co. of America, New York, N. Y.
Heller Brothers Co., Newark, N. J.
Nicholson File Co., Providence, R. I.

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. . . a complete line of dependable head and eye protection. Made right—priced right—proved right.
DOCKSON CORPORATION
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FILMS, Radiographic

Ansco, Binghamton, N. Y.
Eastman Kodak Co., X-Ray Div., Rochester, N. Y.
General Electric X-Ray Corp., Chicago, Ill.
Kelley-Koett Mfg. Co., Covington, Ky.
Picker X-Ray Corp., New York, N. Y.
Westinghouse Elec. Corp., Pittsburgh, Pa.

FILTERS, Airline

Aro Equipment Corp., Bryan, Ohio.
Bastian-Blessing Co., Chicago, Ill.
Boyer-Campbell Co., Detroit, Mich.
Bullard Co., E. D., San Francisco, Calif.
Chicago Mfg. & Distributing Co., Chicago, Ill.
Chicago Pneumatic Co., New York, N. Y.
Connecticut Blower Co., Hartford, Conn.
De Vilbiss Co., The, Toledo, Ohio.
Fauver, J. N., Co., Inc., Detroit, Mich.
Gasflux Co., The, Mansfield, Ohio
Hannifin Corp., Chicago, Ill.
M-B Products Co., Detroit, Mich.
Mason-Neilan Regulator Co., Boston, Mass.
Norgren Co., C. A., Denver, Colo.
Paasche Airbrush Co., Chicago, Ill.
Rotor Tool Co., Cleveland, Ohio
Schrader's, A., Son, Div. of Scovill Mfg. Co., Brooklyn, N. Y.
Selas Corp. of America, Philadelphia, Pa.
Sterling Tool Products Co., Chicago, Ill.
Superior Mfg. Co., Div. of Bingham Herbrand Corp., Cleveland, Ohio.
Victor Equip. Co., San Francisco, Cal.
Wilson Products, Inc., Reading, Pa.

FILTERS, Welder

Air Filter Corp., Milwaukee, Wis.
American Industrial Safety Equipt. Co., Brooklyn, N. Y.
Bullard, E. O., Co., San Francisco, Calif.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Jackson Products, Warren, Mich.
K-G Welding and Cutting Co., New York, N. Y.
Kimball Safety Prod. Co., Cleveland, Ohio.
Victor Equip. Co., San Francisco, Cal.

FIREBRICK
(See: "Brick, Fire")

FIRECLAY
(See: "Brick, Fire, Plastic")

FIRE EXTINGUISHERS
(See: "Extinguishers, Fire")

FIRE RETARDANTS (FOR FLAME-PROOFING CLOTHING, ETC.)

American-LaFrance-Foamite Corp., Elmira, N. Y.
Croton Chemical Corp., New York, N. Y.
E. I. DuPont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Holcomb Safety Garment Co., Chicago, Ill.
Quaker Chemical Products Corp., Conshohocken, Pa.
Wayne Chemical Products Co., Detroit, Mich.

FIRST AID KITS
(See: "Kits, First Aid")

FITTINGS, Hose
(See: "Couplings and Fittings, Hose")

FITTINGS, Hose, Welding

American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.

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DOVER, OHIO.

Burdett Oxygen Co., Cleveland, Ohio.
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fauver, J. N., Co., Inc., Detroit, Mich.
Goss Gas, Inc., Pittsburgh, Pa.
Imperial Brass Mfg. Co., The, Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Metro Mfg. Co., L. I. City, N. Y.
Modern Eng. Co., Inc., St. Louis, Mo.
Nageldinger & Son, Inc., J., New York, N. Y.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Schrader's, A. Son, Div. of Scovill Mfg. Co., Inc., Brooklyn, N. Y.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Sight Feed Generator Co., West Alexandria, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

FITTINGS, Pipe

Armco Drainage & Metal Products, Inc., Middletown, Ohio.
Bastian-Blessing Co., The, Chicago, Ill.
Bonney Forge & Tool Works, Allentown, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Crane Co., Chicago, Ill.
Globe Steel Tubes Co., Milwaukee, Wis.
Grinnell Co., Providence, R. I.
Harrisburg Steel Corp., Harrisburg, Pa.
Ladish Co., Cudahy, Wis.
Lenape Hydraulic Press & Forging Co., West Chester, Pa.
Midwest Piping & Supply Co., Inc., St. Louis, Mo.
Mueller Brass Co., Port Huron, Mich.
Parker Appliance Co., The, Cleveland, Ohio.
Ryerson, Jos. T. & Sons, Inc., Chicago, Ill.
Superior Valve & Fittings Co., Pittsburgh, Pa.
Taylor Forge & Pipe Works, Chicago, Ill.
Tube Turns, Inc., Louisville, Ky.
U S. Steel Supply Co., Chicago, Ill.
Walworth Co., New York, N. Y.
Wagner Iron Works, A. F., Milwaukee, Wis.
Watson-Stillman Co., Roselle, N. J.
Youngstown Welding & Engineering Co., The, Youngstown, Ohio.

FITTINGS, Pipe Welding
(See: "Fittings, Welding")

FITTINGS, Tank

Bastian-Blessing Co., The, Chicago, Ill.
Bonney Forge & Tool Wks., Allentown, Pa.
Castle, A. M., & Co., Chicago, Ill.
Goss Gas, Inc., Pittsburgh, Pa.
K-G Welding and Cutting Co., New York, N. Y.
Ladish Co., Cudahy, Wis.
Lenape Hydraulic Press & Forging Co., West Chester, Pa.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Lukens Steel Co., Coatesville, Pa.
Midwest Piping & Supply Co., Inc., St. Louis, Mo.
Nageldinger & Son, Inc., J., New York, N. Y.
Ryerson Jos. T. & Sons, Inc., Chicago, Ill.
Taylor Forge & Pipe Works, Chicago, Ill.
U S. Steel Supply Co., Chicago, Ill.

FITTINGS, Welding

Bonney Forge & Tool Wks., Allentown, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Castle, A. M., & Co., Chicago, Ill.
Crane Co., Chicago, Ill.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloy Corp., Flushing, N. Y.
Goss Gas, Inc., Pittsburgh, Pa.
Grinnell Co., Inc., Providence, R. I.
K-G Welding and Cutting Co., New York, N. Y.
Ladish Co., Cudahy, Wis.
Lenape Hydraulic Pressing & Forging Co., West Chester, Pa.
Midwest Piping & Supply Co., Inc., St. Louis, Mo.
Robvon Corp., The, Denver, Colo.
Ryerson Jos. T. & Sons, Inc., Chicago, Ill.
Sight Feed Generator Co., West Alexandria, Ohio
Taylor Forge & Pipe Works, Chicago, Ill.
Tube Turns, Inc., Louisville, Ky.
U S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Walworth Co., New York, N. Y.
Watson-Stillman Co., Roselle, N. J.
Wagner Iron Works, A. F., Milwaukee, Wis.
Youngstown Welding & Engineering Co., The, Youngstown, Ohio

FIXTURES, Welding
(See: "JIGS AND FIXTURES," and "POSITIONERS, WELDING")

FLAME CUTTING GUIDES & TEMPLETS
(See: "Cutting Guides, Flame")

FLAME CUTTING MACHINES
(See: "Machines, Cutting Flame")

FLAME CUTTING TORCHES
(See: "Torches, Cutting, Gas" and "Torches, Cutting, Powder")

FLAME-HARDENING EQUIPMENT

Air Reduction Sales Co., New York, N. Y.
Amer. Oxygen Service Corp., Harrison, N. J.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Gas Appliance Service, Inc., Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
Industrial Oxygen Co., Louisville, Ky.
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Stearns-Roger Mfg. Co., Denver, Colo.
Victor Equipment Co., San Francisco, Calif.

FLAME-PRIMING HEADS

National Cylinder Gas Co., Chicago, Ill.
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Stearns-Roger Mfg. Co., Denver, Colo.
Victor Equipment Co., San Francisco, Calif.

FLAME-SPINNING HEADS

Air Reduction Sales Co., New York, N. Y.
Stearns-Roger Mfg. Co., Denver, Colo.

FLANGES, Pipe

Armco Drainage & Metal Products, Inc., Middletown, Ohio
Bonney Forge & Tool Works, Allentown, Pa.
Chase Brass & Copper Co., Waterbury, Conn.
Crane Co., Chicago, Ill.
Globe Steel Tubes Co., Milwaukee, Wis.
Grinnell Co., Inc., Providence, R. I.
Harrisburg Steel Corp., Harrisburg, Pa.
Ladish Co., Cudahy, Wis.
U. S. Steel Supply Co., Chicago, Ill.
Walworth Co., New York, N. Y.
Watson-Stillman Co., Roselle, N. J.

FLANGES, Welding

Bonney Forge & Tool Works, Allentown, Pa.
Castle, A. M., & Co., Chicago, Ill.
Crane Co., Chicago, Ill.
Grinnell Co., Inc., Providence, R. I.
Ladish Co., Cudahy, Wis.
Ryerson & Son, Inc., J. T., Chicago, Ill.
Taylor Forge & Pipe Works, Chicago, Ill.
Tube Turns, Inc., Louisville, Ky.
U. S. Steel Supply Co., Chicago, Ill.
Vogt, Henry, Machine Co., Louisville, Ky.
Walworth Co., New York, N. Y.
Watson-Stillman Co., Roselle, N. J.

FLANGING MACHINES
(See: "Machines, Flanging")

FLASH PREVENTIVE

Acme Lead & Color Works, Detroit, Mich.
General Scientific Equip. Co., Philadelphia, Pa.
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Harris Calorific Co., The, Cleveland, Ohio
Milburn Co., Detroit, Mich.
Oakite Products, Inc., New York, N. Y.
Smith, G. W., & Sons, Inc., Dayton, Ohio
Wayne Chemical Prod. Co., Detroit, Mich.
Wolfe-Kote Co., Sheboygan, Wis.

FLASH TRIMMERS

Federal Machine & Welder Co., Warren, Ohio
Morton Mfg. Co., Muskegon Heights, Mich.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.

FLASH WELDERS, Resistance
(See: "WELDERS, FLASH")

FLEXIBLE-SHAFT EQUIPMENT

Chicago Wheel & Mfg. Co., Chicago, Ill.
Elliott Mfg. Co., Binghamton, N. Y.
Haskins, R. G., Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Stow Mfg. Co., Binghamton, N. Y.
Strand, N. A., & Co., Chicago, Ill.
Wyzenbeek and Staff, Inc., Chicago, Ill.

FLEXIBLE SHAFT EQUIPMENT
(See: "Machines, Flexible Shaft" and "Shafts, Flexible")

FLINT, For Gas Lighters

Air Reduction Sales Co., New York, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Atlas Welding Accessories Co., Ferndale, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Flint Products Co., Brooklyn, N. Y.
Fuller, G. C., Mfg. Co., Cincinnati, Ohio
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Products Co., Phila., Pa.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Meco Welding Supply Co., Chicago, Ill.
Modern Engineering Co., St. Louis, Mo.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Oxweld Railroad Service Co., The, Chicago, Ill.
Ragle Industries, J. M., Kansas City, Mo.
Randall Mfg. Co., No. Kansas City, Mo.
Safety Gas Lighter Co., Lynn, Mass.
Smith & Sons, Inc., G. W., Dayton, Ohio
Weldit, Inc., Detroit, Mich.

FLOODLIGHTS and FLARELIGHTS

Benjamin Electric Mfg. Co., Des Plaines, Ill.
General Electric Co., Schenectady, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Mine Safety Appliances Co., Pittsburgh, Pa.
Oxweld Railroad Service Co., The, Chicago, Ill.
Sight Feed Generator Co., The, West Alexandria, Ohio
Stevens & Co., Inc., C. H., Cornwall Bridge, Conn.

FLUX DISPENSERS

Air Reduction Sales Co., New York, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
Gasflux Co., The, Mansfield, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Safety Clothing & Equip. Co., Cleveland, Ohio
Sight Feed Generator Co., West Alexandria, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

FLUX, Heating-Element Repair

Burdett Oxygen Co., Cleveland, Ohio
Chanite Sales Co., Fort Worth, Tex.
Metal Bond Mfg. Co., St. Louis, Mo.
National Welders Supply Co., Charlotte, N. C.
Steel Sales Corp., Chicago, Ill.
Superior Flux Co., Cleveland, Ohio

FLUX RECOVERY EQUIPMENT

American Vacuum Co., Chicago, Ill.
Invincible Vacuum Cleaner Mfg. Co., Dover, Ohio
Kent Company, Inc., The, Rome, N. Y.
Peck, Cecil C., Co., Cleveland, Ohio

FLUX, Soldering—Paste, Stick and Liquid

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
Alpha Metals, Inc., Brooklyn, N. Y.
American Platinum Works, The, Newark, N. J.
American Silver Co., Flushing, N. Y.
American Solder & Flux Co., Philadelphia, Pa.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Best Effect Chemical Co., Hackensack, N. J.
Burdett Oxygen Co., Cleveland, Ohio
Diener, Geo. W., Mfg. Co., Chicago, Ill.
du Pont, E. I., de Nemours & Co., Inc., Wilmington, Dela.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Flux-All Chemical Prod., New York, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
Gardiner Metal Co., Chicago, Ill.
General Electric Co. (Merchandise Dept.), Bridgeport, Conn.
Imperial Brass Mfg. Co., Chicago, Ill.
Hercules Chemical Co., Inc., New York, N. Y.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Johnson Mfg. Co., Mount Vernon, Iowa
Johnson Welders Supply Co., Mt. Vernon, Iowa.
Kester Solder Co., Chicago, Ill.
Kirk, Morris P., & Son, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
Krembs & Co., Chicago, Ill.
Lake Chemical Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Modern Engineering Co., Inc., St. Louis, Mo.
National Lead Co., New York, N. Y.
Ohmer, George H., Dayton, Ohio.
Pal-Weld Mfg. Co., Seattle, Wash.
Permalatem Welding Alloys Co., Neptune, N. J.
Puritan Compressed Gas Corp., Kansas City, Mo.
Remont Mfg. Co., Lombard, Ill.
Ruby Chemical Co., The, Columbus, Ohio (Paste & Liquid only).
Sight Feed Generator Co., West Alexandria, Ohio
Special Chemicals Corp., New York, N. Y.
Superior Flux Mfg. Co., Cleveland, Ohio.
Swiss Laboratory, Cleveland, Ohio.
Wayne Chemical Products Co., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.
Wolfe-Kote Co., Inc., Sheboygan, Wis.

FLUXES, Aluminum

Air Reduction Sales Co., New York, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
All-State Welding Alloys Co., White Plains, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
American Products Corp., Chicago, Ill.
American Solder & Flux Co., Philadelphia, Pa.
Anti-Borax Compound Co., Inc., Ft. Wayne, Ind.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., Cleveland, Ohio.
Chicago Hardware Foundry Co., North Chicago, Ill.
Childs Aluminum Solder Co., New York, N. Y.
Cortland Welding Compound Co., Cortland, N. Y.
Craftsweld Equip. Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
Flux-All Chemical Prod., New York, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
General Welding & Equip. Co., Boston, Mass.
Hollup Corp., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Johnson Mfg. Co., Mount Vernon, Iowa
K-G Welding and Cutting Co., New York, N. Y.
Krembs and Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Mauk, A. K., Pittsburgh, Pa.
Meco Welding Supply Co., Chicago, Ill.
Metal Bond Mfg. Co., St. Louis, Mo.
Metallizing Co. of America, Chicago, Ill.
Metalloy Prod. Co., Los Angeles, Cal.
Morey Flux & Chem. Co., Wilmington, Del.
Northeast Metals Co., Philadelphia, Pa.
Ohmer, George H., Dayton, Ohio.
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Pal-Weld Mfg. Co., Seattle, Wash.
Permalatem Welding Alloys Co., Neptune, N. J.
Phillips, C. E., & Co., Detroit, Mich.
Precision Welder Mfg. Co., Chicago, Ill.
Sierra Welding Flux Co., Temple City, Calif.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Special Chemicals Corp., New York, N. Y.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Sulflo, Inc, Elizabeth, N. J.
Superior Flux & Mfg. Co., Cleveland, Ohio.
Trindl Products, Ltd., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Alloys Mfg. Co., Newark, N. J.
Welding Equipment & Supply Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Wooldridge Aluminum Welding Products, Inc., Malden, Mass.

FLUXES, Aluminum-Bronze

Air Reduction Sales Co., New York, N. Y.
Allen, L. B., Co., Chicago, Ill.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Chemical & Flux Co., Brooklyn, N. Y.
American Platinum Works, The, Newark, N. J.
American Products Corp., Chicago, Ill.
American Solder & Flux Co., Philadelphia, Pa.
Ampco Metal, Inc., Milwaukee, Wis.
Anti-Borax Compound Co., Inc., Ft. Wayne, Ind.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Childs Aluminum Solder Co., New York, N. Y.
Cortland Welding Compound Co., Cortland, N. Y.
Croton Chemical Co., New York, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
Flux-All Chemical Products, New York, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
Hollup Corp., Chicago, Ill.
Imperial Brass Mfg. Co., The, Chicago, Ill.
Krembs and Co., Chicago, Ill.
Lake Chemical Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metal Bond Mfg. Co., St. Louis, Mo.
Ohmer, George H., Dayton, Ohio.
Pal-Weld Mfg. Co., Seattle, Wash.
Permalatem Welding Alloys Co., Neptune, N. J.
Phillips, C. E., & Co., Detroit, Mich.
Pittsburgh Metals Purifying Co., Pittsburgh, Pa.
Sight Feed Generator Co., West Alexandria, Ohio
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Steel Sales Corp., Chicago, Ill.
Superior Flux & Mfg. Co., Cleveland, Ohio.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

FLUXES, Brazing

Acetylene Co. of Utah, Salt Lake City, Utah
Air Reduction Sales Co., New York, N. Y.
Aladdin Rod & Flux Mfg. Co., Grand Rapids, Mich.
Alfco Laboratories, Chicago, Ill.
Allen, L. B., Co., Chicago, Ill.

(Continued on page 46)

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(Continued from page 45)

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American Products Corp., Chicago, Ill.
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American Solder & Flux Co., Philadelphia, Pa.
Anti-Borax Compound Co., Fort Wayne, Ind.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Chicago Hardware Foundry Co., North Chicago, Ill.
Childs Aluminum Solder Co., New York, N. Y.
Cleveland Precision Ring & Products Co., Cleveland, Ohio.
Columbia Chemical Products Co., Detroit, Mich.
Cortland Welding Compound Co., Cortland, N. Y.
Craftsweld Equip. Corp., Long Island City, N. Y.
Croton Chemical Co., New York, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N Y.
Flux-All Chemical Products, New York, N. Y.
Gasflux Co., The, Mansfield, Ohio.
General Welding & Equip. Co., Boston, Mass.
Goldsmith Bros. Smelting & Ref. Co., Chicago, Ill.
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Johnson Mfg. Co., Inc., Mt. Vernon, Iowa.
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Klem Chemical Works, Detroit, Mich.
Krembs & Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
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Modern Engineering Co., Inc., St. Louis, Mo.
Morey Flux & Chem. Co., Wilmington, Del.
National Welding Equipment Co., San Francisco, Calif.
Northeast Metals Co., Philadelphia, Pa.
Ohmer, George H., Dayton, Ohio
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Pal-Weld Mfg. Co., Seattle, Wash.
Permalatem Welding Alloys Co., Neptune, N. J.
Peterson Welding Lab., Kansas City, Mo.
Phillips, C. E., & Co., Detroit, Mich.
Pittsburgh Metals Purifying Co., Pittsburgh, Pa.
Pratt-Brayman, Oscoda, Mich.
Sherman & Co., Flushing, N. Y.
Sight Feed Generator Co., The, W. Alexandria, Ohio
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FLUXES, Cast-Iron

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American Oxygen Service Corp., Harrison, N. J.
American Products Corp., Chicago, Ill.
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Arc Welding Supply Co., Bronx, N. Y.
Chicago Hardware Foundry Co., North Chicago, Ill.
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Columbia Chemical Products Co., Detroit, Mich.
Cortland Welding Compound Co., Cortland, N. Y.
Craftsweld Equip. Corp., Long Island City, N. Y.
Croton Chemical Corp., New York, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
Fusion Engineering Co., Cleveland, Ohio
General Welding & Equip Co., Boston, Mass.
Hollup Corp., Chicago, Ill.
Imperial Brass Mfg. Co., The, Chicago, Ill.
Indiana Oxygen Co., Indianapolis, Ind.
Johnson, Lloyd S., Co., Chicago, Ill.
Johnson Mfg. Co., Mount Vernon, Iowa
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Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
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Metal Bond Mfg. Co., St. Louis, Mo.
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Welding Equipment & Supply Co., Detroit, Mich.
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FLUXES, Flame-Cutting

(See also: "Powder Flame-Cutting")

Allen, L. B., Co., Inc., Chicago, Ill.
General Welding & Equipment Co., Boston, Mass.
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Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Ohmer, George H., Dayton, Ohio
Oxweld Railroad Service Co., The, Chicago, Ill.

FLUXES, Inconel

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United Wire & Supply Corp., Providence, R. I.
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Williams & Co., Inc., Pittsburgh, Pa.

FLUXES, Magnesium

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
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Croton Chemical Corp., New York, N. Y.
Dow Chemical Co., The, Midland, Mich.
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Linde Air Products Co., The, New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
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Ohmer, George H., Dayton, Ohio
Permalatem Welding Alloys Co., Neptune, N. J.
Special Chemical Corp., New York, N. Y.
Superior Flux & Mfg. Co., Cleveland, Ohio
United Wire & Supply Corp. Providence, R. I.
Victor Equipment Co., San Francisco, Calif.
Welding Alloys Mfg. Co., Newark, N. J.
Wooldridge Aluminum Welding Products, Malden, Mass.

FLUXES, Monel

Allen, L. B., Co., Chicago, Ill.
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American Solder & Flux Co., Philadelphia, Pa.
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Eutectic Welding Alloys Co., Flushing, N. Y.
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Johnson Mfg. Co., Mount Vernon, Iowa
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American Platinum Works, The, Newark, N. J.
American Products Corp., Chicago, Ill.
American Solder & Flux Co., Philadelphia, Pa.
Anti-Borax Compound Co., Inc., Ft. Wayne, Ind.
Atkins, E. C., & Co., Indianapolis, Ind.
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Chase Brass & Copper Co., Waterbury, Conn.
Childs Aluminum Solder Co., New York, N. Y.
Cleveland Precision Ring & Products Co., Cleveland, Ohio.
Craftweld Equipment Corp., Long Island City, N. Y.
Croton Chemical Co., New York, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
Flux-All Chemical Prod., New York, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
Gasflux Co., The, Mansfield, Ohio.
Goldsmith Bros. Smelting & Refining Co., Chicago, Ill.
Handy & Harman, New York, N. Y.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Johnson, Lloyd S., Co., Chicago, Ill.
Johnson Mfg. Co., Mount Vernon, Iowa
Krembs & Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
Marquette Mfg. Co., Minneapolis, Minn.
Ohmer, George H., Dayton, Ohio.
Permalatem Welding Alloys Co., Neptune, N. J.
Precision Welder Mfg. Co., Chicago, Ill.
Ragle Industries, J. M., Kansas City, Mo.
Sherman & Co., Flushing, N. Y.
Sight Feed Generator Co., West Alexandria, Ohio
Special Chemicals Corp., New York, N. Y.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Steel Sales Corp., Chicago, Ill.
Stuart Oxygen Co., San Francisco, Calif.
Superior Flux & Mfg. Co., Cleveland, Ohio.
United Wire & Supply Corp., Cranston, R. I.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

FLUXES, Soldering

Air Reduction Sales Co., Div. Air Reduction Co., Inc., New York, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Alpha Metals, Inc., Brooklyn, N. Y.
American Products Corp., Chicago, Ill.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Chase Brass & Copper Co., Waterbury, Conn.
Du Pont de Nemours & Co., Inc., E. I., Wilmington, Del.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Johnson Mfg. Co., Inc., Mt. Vernon, Iowa.
Kester Solder Co., Chicago, Ill.
Kirk, Morris P., & Son, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
Krembs & Co., Chicago, Ill.
Lake Chemical Co., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metal Bond Mfg. Co., St. Louis, Mo.
National Lead Co., New York, N. Y.
Ohio Carbon Co., The, Cleveland, Ohio.
Ohmer, George H., Dayton, Ohio.
Pal-Weld Mfg. Co., Seattle, Wash.
Permalatem Welding Alloys Co., Neptune, N. J.
Remont Mfg. Co., Lombard, Ill.
Ruby Chemical Co., The, Columbus, Ohio.
Sight Feed Generator Co., West Alexandria, Ohio
Special Chemicals Corp., New York, N. Y.
Sulflo, Inc., Elizabeth, N. J.
Superior Flux & Mfg. Co., Cleveland, Ohio.
Victor Equipment Co., San Francisco, Calif.
Wayne Chemical Products Co., Detroit, Mich.
Welding Equipment & Supply Co., Detroit, Mich.

FLUXES, Stainless-Steel

All-State Welding Alloys Co., Inc., White Plains, N. Y
Air Reduction Sales Co., New York, N. Y.
Allen, L. B., Co., Chicago, Ill.
Alpha Metals, Inc., Brooklyn, N. Y.
American Chemical & Flux Co., Brooklyn, N. Y.
American Products Corp., Chicago, Ill.
American Solder & Flux Co., Philadelphia, Pa.
Anti-Borax Compound Co., Inc., Ft. Wayne, Ind.
Burdett Oxygen Co., The, Cleveland, Ohio.
Cleveland Precision Ring & Products Co., Cleveland, Ohio.
Croton Chemical Corp., New York, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
Flux-All Chemical Products, New York, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
Gasflux Co., The, Mansfield, Ohio.
Hollup Corp., Chicago, Ill.
International Nickel Co., Inc., The, New York, N. Y.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Johnson Mfg. Co., Inc., Mt. Vernon, Iowa.
Kester Solder Co., Chicago, Ill.
Klem Chemicals, Inc., Dearborn, Mich.
Kirk, Morris P., & Son, Inc., Los Angeles, Calif.
Krembs & Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Morey Flux & Chemical Co., Wilmington, Del.
National Lead Co., New York, N. Y.
Ohmer, George H., Dayton, Ohio.
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Remont Mfg. Co., Lombard, Ill.
Ruby Chemical Co., The, Columbus, Ohio.
Sherman & Co., Flushing, N. Y.
Sierra Welding Flux Co., Temple City, Calif.
Sight Feed Generator Co., West Alexandria, Ohio
Solar Aircraft Co., San Diego, Calif.
Steel Sales Corp., Chicago, Ill.
Superior Flux & Mfg. Co., Cleveland, Ohio.
Victor Equipment Co., San Francisco, Calif.
Wayne Chemical Products Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wolfe-Kote Co., Sheboygan, Wis.
WOW Welding Specialties Co., Chicago, Ill.
York Engineering Co., Chicago, Ill.

FLUXES, Submerged Melt.

Lake Chemical Co., Chicago, Ill.
Lincoln Electric Co., Cleveland, Ohio.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Oxweld Railroad Service Co., The, Chicago, Ill.

FORGES, Brazing, Saw

Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Eclipse Fuel Engineering Co., Rockford, Ill.
General Electric Co., Schenectady, N. Y.
Johnson Gas Appliance Co., Cedar Rapids, Iowa.
Sunbeam Stewart Industrial Furnace Division, Sunbeam Corp., Chicago, Ill.

FORGES, Portable

Buffalo Forge Co., Buffalo, N. Y.
Champion Blower & Forge Co., Lancaster, Pa.
Eclipse Fuel Engineering Co., Rockford, Ill.
Mahr Mfg. Div., Diamond Iron Works, Minneapolis, Minn.
R. S. Products Corp., Philadelphia, Pa.
Sunbeam-Stewart Furnace Division, Sunbeam Corp., Chicago, Ill.

FUME COLLECTORS & REMOVERS

(See: "Ventilating Apparatus" and "Collectors, Exhausters and Blower Systems")

FURNACES, Brazing

Ajax Electric Co., Inc., Philadelphia, Pa.
Burdett Oxygen Co., Cleveland, Ohio
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Continental Industrial Engineers' Co., Chicago, Ill.
Despatch Oven Co., Minneapolis, Minn.
Eclipse Fuel Engineering Co., Rockford, Ill.
Falcon Equipment Co., New Brighton, Pa.
General Electric Co., Schenectady, N. Y.
Hayes, Inc., C. I., Providence, R. I.
Hevi-Duty Electric Co., Milwaukee, Wis.
Holcroft & Co., Detroit, Mich.
Holden, A. F., Co., The, West Haven, Conn.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Lepel High Frequency Lab., Inc., New York, N. Y.
Mahr Mfg. Co., Div. of Diamond Iron Works, Inc., Minneapolis, Minn.

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ACETYLENE GENERATORS

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THE SIGHT FEED GENERATOR COMPANY

West Alexandria, Ohio, U.S.A.

Ohio Crankshaft Co., The, Tocco Div., Cleveland, Ohio
R-S Products Corp., Philadelphia, Pa.
Selas Corp. of America, Philadelphia, Pa.
Sunbeam Industrial Furnace Div. Sunbeam Corp., Chicago, Ill.
Surface Combustion Corp., Toledo, Ohio
Thermo Electric Mfg. Co., Dubuque, Iowa
Vulcan Corp., Philadelphia, Pa.
Westinghouse Electric Corp., Pittsburgh, Pa.
Young Brothers Co., Cleveland, Ohio

FURNACES, Case Hardening, Lead and Cyanide Hardening

Ajax Electric Co., Inc., Philadelphia, Pa.
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Continental Industrial Engineers' Co., Chicago, Ill.
Eclipse Fuel Engineer Co., Rockford, Ill.
Falcon Equipment Co., New Brighton, Pa.
General Electric Co., Schenectady, N. Y.
Hayes, Inc., C. I., Providence, R. I.
Hevi-Duty Electric Co., Milwaukee, Wis.
Holcroft & Co., Detroit, Mich.
Holden, A. F., Co., The, West Haven, Conn.
Hones, Charles A., Inc., Baldwin, L. I.
Hoskins Mfg. Co., Detroit, Mich.
Johnson Gas Appliance Co., Cedar Rapids, Iowa. (Case hardening and lead hardening)

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RIO, WISCONSIN

Leeds & Northrup Co., Philadelphia, Pa.
Lepel High Frequency Lab., Inc., New York, N. Y.
Mahr Mfg. Co., Division of Diamond Iron Works, Inc., Minneapolis, Minn.
Reliable Gas Products Co., Cedar Rapids, Iowa
Selas Corp. of America, Philadelphia, Pa.
Sunbeam Industrial Furnace Div. Sunbeam Corp., Chicago, Ill.
Surface Combustion Corp., Toledo, Ohio
Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa.

FURNACES, Preheating, Annealing, Stress-Relieving

Ajax Electric Co., Inc., Philadelphia, Pa.
Ajax Electrothermic Corp., Trenton, N. J.
Combustion Control Corp., Cambridge, Mass. (Stress-Relieving only)
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Continental Industrial Engineers' Co., Chicago, Ill.
Despatch Oven Co., Minneapolis, Minn.
Eclipse Fuel Engineering Co., Rockford, Ill.
Eisler Engineering Co., Newark, N. J.
Electric Arc, Inc., Newark, N. J.
Falcon Equipment Co., New Brighton, Pa.
Gas Appliance Service, Inc., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Hayes, Inc., C. I., Providence, R. I.
Hevi-Duty Electric Co., Milwaukee, Wis.
Holcroft & Co., Detroit, Mich.
Holden A. F., Co., The, West Haven, Conn.
Induction Heating Corp., Brooklyn, N. Y.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Lepel High Frequency Lab., Inc., New York, N. Y.
Mahr Mfg. Co., Div. of Diamond Iron Works, Inc., Minneapolis, Minn.
Massillon Refractories Co., The, Massillon, Ohio
Metal Bond Mfg. Co., St. Louis, Mo.
R-S Products Corp., Philadelphia, Pa.
Selas Corp. of America, Philadelphia, Pa.
Surface Combustion Corp., Toledo, Ohio
Sunbeam Industrial Furnace Div. Sunbeam Corp., Chicago, Ill.
Thermo Electric Mfg. Co., Dubuque, Iowa
Unique Mfg. Co., Inc., Chicago, Ill.
Vulcan Corp., Philadelphia, Pa.
Westinghouse Electric Corp., Pittsburgh, Pa.
Young Bros. Co., Cleveland, Ohio

GALVANIZING COMPOUNDS

(See: "Compounds, Galvanizing")

GAMMA-RAY EQUIPMENT

(See: "Inspection Equipment, Radium" and "Radium, Inspection")

GAUGES, Oxygen and Acetylene

Air Reduction Sales Co., New York, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Eastern Equip. Co., Inc., Willow Grove, Pa.
Electric Auto-Lite Co., Toledo, Ohio
General Welding & Equip. Co., Boston, Mass.
Harris Calorific Co., Cleveland, Ohio
Industrial Air Products Co., Portland, Ore.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
Marsh Instrument Co., Div. of Jas. P. Marsh Corp., Skokie, Ill.
Metro Mfg. Co., Long Island City, N. Y.
Nageldinger & Son, J., Inc., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., San Francisco, Calif.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Oxo Welding Equipment Co., Chicago, Ill.
Oxweld Railroad Service Co., Unit of Carbide & Carbon Corp., Chicago, Ill.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Steele Gases, Inc., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
U. S. Gauge Co., Div. American Machine and Metals, Inc., Sellersville, Pa.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Witt Gauge Co., Div. of National Pressure Cooker Co., Eau Claire, Wis.

GAUGES, Weld-Measuring

American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Metro Manufacturing Co., Long Island City, N. Y.
Nageldinger & Son, J., Inc., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

GENERATORS, Acetylene

Adler Mfg. Co., Chicago, Ill.
Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Burdett Oxygen Co., The, Cleveland, Ohio
Eagle Welding Equipment Co., Chicago, Ill.
Harris Calorific Co., Cleveland, Ohio
Independent Engineering Co., O'Fallon, Ill.
Industrial Air Products Co., Portland, Ore.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Miles, John R. R., Inc., Minneapolis, Minn.
Mitchell Supply Co., Minneapolis 11, Minn.
Oxweld Railroad Service Co., Unit of Union Carbide and Carbon Corp., Chicago, Ill.
Reiner & Campbell Co., Inc., Newark, N. J.
Sight Feed Generator Co., The, West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Air Products Co., Newark, N. J.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Universal Welder Corp., Cleveland, Ohio
Victor Equipment Co., San Francisco, Calif.
Welderz-Frend Generator Co., Lubbock, Texas
Weldit, Inc., Detroit, Mich.

GENERATORS, Hydrogen

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Girdler Corp., The, Louisville, Ky.
Independent Engineering Co., O'Fallon, Ill.
National Cylinder Gas Co., Chicago, Ill.
Smith Welding Equipment Corp., Minneapolis, Minn.

GENERATORS, Oxygen

Air Products, Inc., Allentown, Pa.
American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio.
Independent Engineering Co., Inc., O'Fallon, Ill.
Joy Mfg. Co., Pittsburgh, Pa.
Mitchell Supply Co., Minneapolis 11, Minn.
Sight Feed Generator Co., The, West Alexandria, Ohio.
Superior Air Products Co., Newark, N. J.

GENERATORS, Welding, A-C

A. C. Devices & Products, Chicago, Ill.
Buda Co., The, Harvey, Ill.
Burdett Oxygen Co., Cleveland, Ohio.
Electric Arc, Inc., Newark, N. J.
Electric Machinery Mfg. Co., Minneapolis, Minn.
Gaston Power Tools, Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Brothers Co., Troy, Ohio.
Lincoln Electric Co., The, Cleveland, Ohio.
Miller Electric Mfg. Co., Inc., Appleton, Wis.
Modern Engineering Co., Inc., St. Louis, Mo.
Williams & Co., Inc., Pittsburgh, Pa.

GENERATORS, Welding, D-C

Air Reduction Sales Co., New York, N. Y.
American Elin Corp., New York, N. Y.
Buda Co., The, Harvey, Ill.
Burdett Oxygen Co., Cleveland, Ohio.
Century Electric Co., St. Louis, Mo.
Couse Laboratories, Newark, N. J.
Gaston Power Tools, Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., Troy, Ohio.
Hollup Corp., Chicago, Ill.
Independent Engineering Co., O'Fallon, Ill.
LeJay Mfg. Co., Minneapolis, Minn.
Lincoln Electric Co., Cleveland, Ohio.
MacDermid, Inc., Waterbury, Conn.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Service Sales, Inc., San Francisco, Calif.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

GLASS, Cover

(See: "Lenses, Cover")

GLASS, Heat-Resistant

American Industrial Safety Equipment Co., Brooklyn, N. Y.
Bache, Semon & Co., New York, N. Y.
Bausch & Lomb Optical Co., Rochester, N. Y.
Corning Glass Works, Corning, N. Y.
Culver Glass Specialties, Inc., New York, N. Y.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Holcomb Safety Garments Co., Chicago, Ill.
Owens-Corning Fiberglas Corp., Toledo, Ohio.
Willson Products, Inc., Reading, Pa.

GLOVES, Asbestos

Advance Glove Mfg. Co., Detroit, Mich.
Aljay Mfg. Co., Inc., Philadelphia, Pa.
American Industrial Safety Equipment Co., Cleveland, Ohio.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Burdett Oxygen Co., Cleveland, Ohio
Candor Glove Co., The, Candor, N. Y.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., New York, N. Y.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Greene, Tweed & Co., North Wales, Pa.
Holcomb Safety Garments Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Janos Asbestos Co., New York, N. Y.
Johns-Manville, New York, N. Y.
Keasbey & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Olympic Glove Co., Inc., The, New York, N. Y.
Oxweld Railroad Service Co., The, Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

GLOVES, Heat and Flame Resistant

Advance Glove Mfg. Co., Detroit, Mich.
Aljay Mfg. Co., Inc., Philadelphia, Pa.
American Optical Co., South Bridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Burdett Oxygen Co., Cleveland, Ohio
Candor Glove Co., The, Candor, N. Y.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hammond Associates, Inc., New York, N. Y.
Holcomb Safety Garments Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
Olympic Glove Co., Inc., The, New York, N. Y.
Oxweld Railroad Service Co., The, Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Ragle Industries, J. M., Kansas City, Mo.
Safety Clothing & Equipment Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

GLOVES, Leather

Advance Glove Mfg. Co., Detroit, Mich.
Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Industrial Safety Equip. Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., Detroit, Mich.
Burdett Oxygen Co., Cleveland, Ohio
Candor Glove Co., The, Candor, N. Y.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hanover Glove Co., Inc., Hanover, Pa.
Imperial Glove Mfg. Co., Berlin, Wis.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., New York, N. Y.
Kriewalt Specialty Mfg. Co., Oconto, Wis.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Montpelier Glove Co., Montpelier, Ind.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Ragle Industries, J. M., Kansas City, Mo.
Safety Clothing & Equipment Co., Cleveland, Ohio
Streichert, E. J., Chicago, Ill.
Tillman & Co., John, Long Beach, Calif.
Universal Leather Co., Berlin, Wis.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

GLOVES, Welding

Aljay Mfg. Co., Philadelphia, Pa.
American Agile Corp., Cleveland, Ohio
American Industrial Safety Equip. Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Boss Mfg. Co., The, Kewanee, Ill.
Candor Glove Co., The, Candor, N. Y.
Eastern Equip. Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fibre-Metal Products Co., The, Chester, Pa.
Hammond Associates, Inc., New York, N. Y.
Hanover Glove Co., Inc., Hanover, Pa.
Imperial Glove Mfg. Co., Berlin, Wis.
Industrial Gloves Co., Danville, Ill.
Industrial Prod. Co., Philadelphia, Pa.
Jones, C. Walker, Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Montpelier Glove Co., Montpelier, Ind.
O.K.I. Welding Supply Co., Cincinnati, O.
Olympic Glove Co., New York, N. Y.
Oxweld Railroad Service Co., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio
Streichert, E. J., Chicago, Ill.
Tillman, John, & Co., Long Beach, Calif.
U. S. Steel Supply Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.

GOGGLES—Chippers'

American Industrial Safety Equip. Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Bausch & Lomb Optical Co., Rochester, N. Y.
Boyer-Campbell Co., The, Detroit, Mich.
Buegeleisen, Harry, Inc., Brooklyn, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Flood Safety Products Co., Chicago, Ill.
General Scientific Equip. Co., Philadelphia, Pa.
Goggle Parts Co., Cleveland, Ohio
Industrial Products Co., Phila., Pa.
Jackson Products, Warren, Mich.
Kimball Safety Prod. Co., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Metro Mfg. Co., L. I. City, N. Y.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Univis Lens Co., The, Dayton, Ohio
Watchemoket Optical Co., Inc., Providence, R. I.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

GOGGLES, Cover

American Industrial Safety Equipment Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Bausch & Lomb Optical Co., Rochester, N. Y.
Buegeleisen, Harry, Inc., Brooklyn, N. Y.
Bullock Co., L. H., Richmond, Calif.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Products Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
Kimball Safety Prod. Co., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metro Mfg. Co., L. I. City, N. Y.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Standard Safety Equip. Co., Chicago, Ill.
Watchemoket Optical Co., Inc., Providence, R. I.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

GOGGLES—Spectacle Type with Side Shield

American Industrial Safety Equip. Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Bausch & Lomb Optical Co., Rochester, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Products Co., Phila., Pa.
Kimball Safety Prod. Co., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Metro Mfg. Co., L. I. City, N. Y.

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Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Thermacote Co., Los Angeles, Calif.
Univis Lens Co., The, Dayton, Ohio
Watchemoket Optical Co., Inc., Providence, R. I.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

GOGGLES, Welding

Air Reduction Sales Co., New York, N. Y.
American Allsafe Co., Inc., Buffalo, N. Y.
American Industrial Safety Equipment Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., Chicago, Ill.
Bausch & Lomb Optical Co., Rochester, N. Y.
Buegeleisen, Harry, Inc., Brooklyn, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Central Steel and Wire Co., Chicago, Ill.
Champion Rivet Co., Cleveland, Ohio
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eastern Safety Equipment Co., New York, N. Y.
Electric Eye Equipment Co., Danville, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Flood Safety Products Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
Industrial Products Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
K-G Welding and Cutting Co., Inc., New York, N. Y.
Kimball Safety Prod. Co., Cleveland, Ohio
Lincoln Electric Co., Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metal Bond Mfg. Co., St. Louis, Mo.
Metro Mfg. Co., L. I. City, N. Y.
Modern Engineering Co., Inc., St. Louis, Mo.
National Welding Equipment Co., San Francisco, Calif.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Oxweld Railroad Service Co., Unit of Union Carbide and Carbon Corp., Chicago, Ill.
Parker Safety Equip. Corp., Irvington, N. J.

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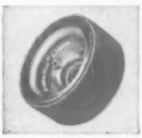

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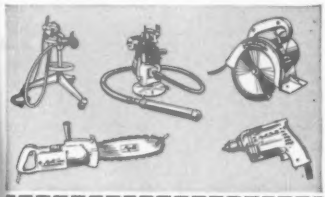

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Standard Safety Equip. Co., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Trex Engineering Supply Co., Newark, N. J.
Universal Power Corp., Cleveland, Ohio
Univis Lens Co., The, Dayton, Ohio
Victor Equipment Co., San Francisco, Calif.
Wallace Optical Co., Inc., Detroit, Mich.
Welding Alloys Mfg. Co., Newark, N. J.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Westinghouse Electric Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

GOVERNORS, Gas Engine

Air Reduction Sales Co., New York, N. Y.
Electric Arc, Inc., Newark, N. J.
Hobart Bros. Co., The, Troy, Ohio
Lincoln Electric Co., Cleveland, Ohio
Pierce Governor Co., Inc., The, Anderson, Ind.
Welding Engineering Co., Milwaukee, Wis.
Westinghouse Electric Corp., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

GRAINS, Abrasive

Carborundum Co., The, Niagara Falls, N. Y.
Mid-West Abrasive Co., Owosso, Mich.
Norton Co., Worcester, Mass.
Simonds Abrasive Co., Philadelphia, Pa.

GRINDERS, Abrasive Belt

American Diamond Saw Co, Portland, Ore.
Behr-Manning Corp., Troy, N. Y.
Black & Decker Mfg. Co., The, Towson, Md.
Delta Power Tool Div. Rockwell Mfg. Co., Milwaukee, Wis.
Divine Brothers Co., Utica, N. Y.
Fox Grinders, Inc., Pittsburgh, Pa.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Jones Engineering Co., Ellwood City, Pa.
MacDermid, Inc., Waterbury, Conn.
Minnesota Mining and Mfg. Co., St. Paul, Minn.
Peterson Welding Laboratories, Kansas City, Mo.
Porter-Cable Machine Co., Syracuse, N. Y.
Ryman Engineering Co., Inc., Ellwood City, Pa.
Standard Elec. Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., Towson, Md.
Walls Sales Corp., New York, N. Y.

GRINDERS, Bench and Floor, Belt Driven

Champion Blower & Forge Co., Lancaster, Pa.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Cutter Machine Co., St. Louis, Mo.
Delta Power Tool Division of Rockwell Mfg. Co., Milwaukee, Wis.
Duro Metal Products Co., Chicago, Ill.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Hisey-Wolf Mach. Co., The, Cincinnati, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Independent Pneumatic Tool Co., Chicago, Ill.
Lee, K. O., Co., Aberdeen, S. D.
Millers Falls Co., Greenfield, Mass.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
Misener Mfg. Co., Inc., Syracuse, N. Y.
Porter-Cable Machine Co., The, Syracuse, N. Y.
Ryman Engineering Co., Inc., Ellwood, Pa.
Standard Electrical Tool Co., The, Cincinnati, Ohio
United States Electrical Tool Co., Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Walker-Turner Co., Inc., Plainfield, N. J.

GRINDERS, Bench and Pedestal

Atlas Press Co., Kalamazoo, Mich.
Baldor Electric Co., St. Louis, Mo.
Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Carboloy Co., Inc., Detroit, Mich.
Champion Blower & Forge Co., Lancaster, Pa.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Delta Power Tool Div. Rockwell Mfg. Co., Milwaukee, Wis.
Dumore Co., The, Racine, Wis.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Hisey-Wolf Machine Co., Cincinnati, Ohio
Hobart Bros. Co., Troy, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Independent Pneumatic Tool Co., Aurora, Ill.
Mall Tool Co., Chicago, Ill.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
Porter-Cable Machine Co., The, Syracuse, N. Y.
Ryman Engineering Co., Inc., Ellwood City, Pa.
Standard Electric Tool Co., The, Cincinnati, Ohio
United States Electrical Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.

GRINDERS, Electric, Bench and Floor

Albertson & Co., Inc., Sioux City, Iowa
Aro Equipment Corp., The, Bryan, Ohio
Atlas Press Co., Kalamazoo, Mich.
Baldor Electric Co., St. Louis, Mo.
Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Champion Blower and Forge Co., Lancaster, Pa.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Clark, James, Jr., Electric Co., Louisville, Ky.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Cutter Machine Co., St. Louis, Mo. (Floor only)
Delta Power Tool Division of The Rockwell Mfg. Co., Milwaukee, Wis.
Dumore Co., The, Racine, Wis.
Foley Mfg. Co., Minneapolis, Minn.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Hisey-Wolf Mach. Co., The, Cincinnati, Ohio
Hobart Bros. Co., Troy, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Master Electric Co., The, Dayton, Ohio
Millers Falls Co., Inc., Greenfield, Mass.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
Misener Mfg. Co., Inc., Syracuse, N. Y.
Peterson Welding Laboratories, Kansas City, Mo.
Porter-Cable Mach. Co., Syracuse, N. Y.
Ryman Engineering Co., Inc., Ellwood City, Pa.
Skilsaw, Inc., Chicago, Ill.
Speedway Mfg. Co., Cicero, Ill.
Standard Electrical Tool Co., The, Cincinnati, Ohio
Stanley Electric Tool Division, The Stanley Works, New Britain, Conn.
Stow Manufacturing Co., Inc., Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Valley Electric Corp., St. Louis, Mo.
Van Dorn Elec. Tool Co., The, Towson, Md.
Walker-Turner Co., Inc., Plainfield, N. J.

GRINDERS, Electric, Portable

Albertson & Co., Inc., Sioux City, Iowa
Baldor Electric Co., St. Louis, Mo.
Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Chicago Wheel & Mfg. Co., Chicago, Ill.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Dremel Manufacturing Co., Racine, Wis.
Dumore Co., The, Racine, Wis.
Duro Metal Products Co., Chicago, Ill.
Elliott Mfg. Co., Binghamton, N. Y.
Gaston Power Tools, Harvey, Ill.
Haskins, R. G., Co., Chicago, Ill.
Hisey-Wolf Machine Co., Cincinnati, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Independent Pneumatic Tool Co., Aurora, Ill.
Jefferson Engineering & Mfg. Co., Detroit, Mich.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
McGonegal Manufacturing Co., The, East Rutherford, N. J.
Mall Tool Co., Chicago, Ill.
Miller Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
Porter-Cable Mfg. Co., Syracuse, N. Y.
Ryman Engineering Co., Inc., Ellwood City, Pa.
Skilsaw, Inc., Chicago, Ill.
Smith Corp., A. O., Milwaukee, Wis.
Speedway Mfg. Co., Cicero, Ill.
Spring Specialty Co., Maywood, Ill.
Stanley Electric Tool Division, The Stanley Works, New Britain, Conn.
Stoody Co., Whittier, Calif.
Stow Manufacturing Co., Inc., Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., The, Towson, Md.
Wodack Electric Tool Corp., Chicago, Ill.
Wyzenbeek & Staff, Inc., Chicago, Ill.

GRINDERS, Flexible Shaft

Albertson & Co., Sioux City, Iowa
Barton Products, Inc., Defiance, Ohio
Bradford Machine Tool Co., The, Cincinnati, Ohio
Dumore Co., The, Racine, Wis.
Duro Metal Products Co., Chicago, Ill.
Elliott Mfg. Co., Binghamton, N. Y.
Jefferson Engineering & Mfg. Co., Detroit, Mich.
Mall Tool Co., Chicago, Ill.
Master Electric Co., The, Dayton, Ohio
Master Vibrator Co., Dayton, Ohio
Pratt & Whitney, Div. Niles-Bement-Pond Co., West Hartford, Conn.
Stanley Electric Tool Division, The Stanley Works, New Britain, Conn.
Stoody Co., Whittier, Calif.
Stow Manufacturing Co., Binghamton, N. Y.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Swartz & White Mfg. Co., Binghamton Flexible Shaft Division, Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Walker-Turner Co., Inc., Plainfield, N. J.
Wyzenbeek & Staff, Inc., Chicago, Ill.

GRINDERS, Portable, Pneumatic

Aro Equipment Corp., The, Bryan, Ohio
Bay State Abrasive Products Co., Westboro, Mass.
Buckeye Tools Corp., Dayton, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div., Reed Roller Bit Co., Houston, Texas
Hoffman, R. W. Co., Inc., Chicago, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Independent Pneumatic Tool Co., Aurora, Ill.

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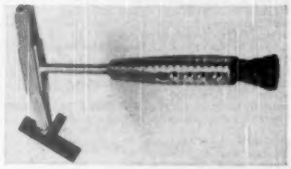

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M-B Products, Detroit, Mich.
Mail Tool Co., Chicago, Ill.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Metallizing Co. of America, Chicago, Ill.
Millers Falls Co., Greenfield, Mass.
Robertson Mfg. Co., Morrisville, Pa.
Rotor Tool Co., Cleveland, Ohio
Schramm, Inc., West Chester, Pa.
Sheldon Machine Co., Chicago, Ill.
Skilsaw, Inc., Chicago, Ill.

GRINDING WHEELS
(See: "Wheels Grinding")

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Metallizing Engineering Co., Inc., Long Island City, N. Y.
Parsons Engr. Corp., Cleveland, Ohio
Ruemelin Mfg. Co., Mil., Wisc.

GROUND CLAMPS
(See: "Clamps, Ground")

GUARDS, Finger

American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eastern Safety Equipment Co., New York, N. Y.
Holcomb-Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equip. Co., Cleveland, Ohio
Standard Safety Equipment Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Wheeler, F. H., Mfg. Co., Chicago, Ill.

GUARDS and SAFETY APPLIANCES, Machinery

Benjamin Electric Manufacturing Co., Des Plaines, Ill.
Boyer-Campbell Co., The, Detroit, Mich.
Chicago Eye Shield Co., Chicago, Ill.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Industrial Products Co., Phila., Pa.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Schrader's, A., Son, Division of Scovill Manufacturing Co., Inc., Brooklyn, N. Y.
Selistrom Mfg. Co., Chicago, Ill.
Stanley Electric Tools, Division, The Stanley Works, New Britain, Conn.
Wright-Austin Co., Detroit, Mich.

GUNS, Spot-Welding
(See: "Welders, Gun")

GUNS, Spray

Alemite Div., Stewart-Warner Corp., Chicago, Ill.
Binks Manufacturing Co., Chicago, Ill.
Black Mfg. Co., The, Baltimore, Md.
DeVilbiss Co., The, Toledo, Ohio
Kellogg Div. of The American Brake Shoe Co., Rochester, N. Y.
Metallizing Engineering Co., Inc., Long Island City, N. Y.
Paasche Airbrush Co., Chicago, Ill.
Powder Weld Process Co., The, Brooklyn, N. Y.
Thompson & Co., Oakmont, Pa.
Wall Colmonoy Corp., Detroit, Mich.

HAMMERS, Blacksmiths'

American Fork & Hoe Co., Cleveland, Ohio
Champion DeArment Co., Meadville, Pa.
Heller Brothers Company, Newark, N. J.
Leetonia Tool Co., The, Leetonia, Ohio
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
Plumb, Fayette R., Inc., Philadelphia, Pa.
Stanley Tools Division of the Stanley Works, New Britain, Conn.

HAMMERS, Chipping and Scaling (Hand)

American Agile Corp., Cleveland, Ohio
Atlas Welding Accessories Co., Ferndale, Mich.
Bernard Welding Equip., Chicago, Ill.
Bonney Forge & Tool Works, Allentown, Pa.
Champion De Arment Co., Meadville, Pa.
Chicago Mfg. & Distributing Co., Chicago, Ill.
Chicago Pneumatic Tool Co., New York, N. Y.
Dallett Co., The, Philadelphia, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fairmont Tool and Forging Co., Cleveland, Ohio
Fibre-Metal Products Co., The, Chester, Pa.
Heller Brothers Co., Newark, N. J.
Hollup Corp., Chicago, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Industrial Products Co., Philadelphia, Pa.
Leetonia Tool Co., The, Leetonia, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
National Cylinder Gas Co., Chicago, Ill.
O K. I. Welding Supply Co., Cincinnati, Ohio
Overly, Chas. F. Co., Cleveland, Ohio
Plumb, Fayette R., Inc., Philadelphia, Pa.
Precision Welder Mfg. Co., Chicago, Ill.
Smith Corp., A. O., Milwaukee, Wis.
St. Pierre Chain, Worcester, Mass.
Stanley Tools, Div. of the Stanley Works, New Britain, Conn.
Trindl Products, Ltd., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Service Sales, Inc., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

HAMMERS, Electric, Chipping & Scaling

Black & Decker Mfg. Co., The, Towson, Md.
Chicago Pneumatic Tool Co., New York, N. Y.
Forney Mfg. Co., Ft. Collins, Colo.
Independent Pneumatic Tool Co., Aurora, Ill.
Mail Tool Co., Chicago, Ill.
Master Electric Co., The, Dayton, Ohio
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tools, Div. of the Stanley Works, New Britain, Conn.
Syntron Co., Homer City, Pa.
United States Electrical Tool Co., The, Cincinnati, Ohio
Van Dorn Electric Tool Co., The, Towson, Md.
Wodack Electric Tool Corp., Chicago, Ill.

HAMMERS, Machinists'

American Fork & Hoe Co., Cleveland, Ohio
Billings & Spencer Co., The, Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Capewell Manufacturing Co., The, Hartford, Conn.
Champion deArment Co., Meadville, Pa.
Duro Metal Products Co., Chicago, Ill.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
New Britain Machine Co., The, New Britain, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Plumb, Fayette R., Inc., Philadelphia, Pa.
Plomb Tool Co., Los Angeles, Calif.
Skilsaw, Inc., Chicago, Ill.
Stanley Tools Division of The Stanley Works, New Britain, Conn.
Williams, J. H. & Co., Buffalo, N. Y.

HAMMERS, Pneumatic, Chipping & Scaling

Airtool Co., The, Chicago, Ill.
Aro Equipment Corp., Bryan, Ohio
Borm Manufacturing Co., Elgin, Ill.
Buckeye Tools Corp., Dayton, Ohio
Chicago Manufacturing & Dist. Co., Chicago, Ill.
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div., Reed Roller Bit Co., Houston, Texas.
Coast Pneumatic Tool Co., Los Angeles, Calif.
Dallett Co., The, Philadelphia, Pa.
Heller Bros., Co., The, Newark, N. J.
Ideal Industries, Inc., Sycamore, Ill.
Independent Pneumatic Tool Co., Aurora, Ill.
Ingersoll Rand Co., New York, N. Y.
Joy Mfg. Co., Pittsburgh, Pa.
Keller Tool Co., Grand Rapids, Mich.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Rotor Tool Co., The, Cleveland, Ohio
Salsbury Corp., Los Angeles, Calif.
Superior Flux Co., Cleveland, Ohio
Superior Manufacturing Co., Div. of Bingham Herbrand Corp., Cleveland, Ohio
Wen-Lyn Products, Burbank, Calif.

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HAMMERS, Weld-Identification

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HAND SHIELDS
(See: "Face Shields, Arc & Gas")

HANDLES—Adze, Axe, Hammer & Hatchet, Etc.

American Handle Co., Jonesboro, Ark.
Bonney Forge & Tool Works, Allentown, Pa.
Bruner-Ivory Handle Co., Hope, Ark.
Gallup-Ruffing Handle Co., The, Norwalk, Ohio
Link, O. P., Handle Co., Salem, Ind.
Plomb Tool Co., Los Angeles, Calif.
Plumb, Fayette R., Inc., Philadelphia, Pa.

HANDLES—File, Chisel, Punch, Etc.

American Stamping Co., Battle Creek, Mich.
Bonney Forge & Tool Works, Allentown, Pa.
Disston Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Gallup-Ruffing Handle Co., The, Norwalk, Ohio. (Bit brace handles and knobs).
Heller Brothers Co., Newark, N. J.
Link, O. P., Handle Co., Salem, Ind.
Lutz File & Tool Co., Cincinnati, Ohio
Nicholson File Co., Providence, R. I.
Parker-Kalon Corp., New York, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Co., Los Angeles, Calif.
Quality Tool Corp., New Wilmington, Pa.
Stanley Tools, Division of The Stanley Works, New Britain, Conn.
Syracuse Alloy Metals Corp., Syracuse, N. Y.
Wolverine Tool Co., Detroit, Mich.

HANDLES, Soldering Iron

Bernz, Otto, Co., Inc., Rochester, N. Y.
Dymonhard Corp., New York, N. Y.
Gallup-Ruffing Handle Co., The, Norwalk, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Link, O. P., Handle Co., Salem, Ind.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Lutz File & Tool Co., Cincinnati, Ohio
Peck, Stow & Wilcox Co., Southington, Conn.
Sight Feed Generator Co., The, W. Alexander, Ohio

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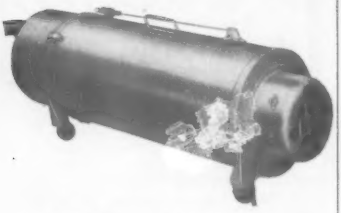

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Keep working areas free from harmful fumes with this self-contained, lightweight fume exhauster. Compact and portable, this unit is ideally suited for welding jobs where stationary ventilating systems do not exist and for jobs that require moving from place to place in enclosed areas. Suction remains practically constant during operation. Bulletin No. CV-1.

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HARD-FACING MATERIALS

(See: "Electrodes, Hard Facing," "Welding Rods, Hard-Facing")

HATS, Safety

Boyer-Campbell Co., Detroit, Mich.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equipment Co., Inc., Newark, N. J.
General Detroit Corp., The, Detroit, Mich.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Milburn Co., Detroit, Mich.
Mine Safety Appliances Co., Pittsburgh, Pa.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Resistoflex Corp., Belleville, N. J.
Safety Clothing & Equipment Co., Cleveland, Ohio

HEADS, Automatic Arc

(See: "Arc Welders, Automatic")

HEADS, Tank

Commercial Shearing & Stamping Co., The, Youngstown, Ohio
Lukens Steel Co., Coatesville, Pa.
Pressed Steel Tank Co., Milwaukee, Wis.
Republic Steel Corp., Cleveland, Ohio
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.

HELIUM, Compressed

Air Reduction Sales Co., New York, N. Y.
Amer. Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Buckeye Oxygen Co., Canton, Ohio
Burdett Oxygen Co., The, Cleveland, Ohio
Commercial Gas Corp., Wilkes-Barre, Pa.
Industrial Air Prod. Co., Portland, Ore.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
National Welders Supply Co., Inc., Charlotte, N. C.
New England Gas Products, Inc., Charlestown, Mass.
Oxweld Railroad Service Co., The, Chicago, Ill.
Steele Gases, Inc., Chicago, Ill.
Stuart Oxygen Co., San Francisco, Calif.
Welding Materials, Inc., Lemoyne, Pa.

HELMETS, Arc-Welding

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
American Agile Corp., Cleveland, Ohio
American Industrial Safety Equipment Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., The, Detroit, Mich.
Bullard, E. D., Co., The, San Francisco, Calif.
Burdett Oxygen Co., Inc., Cleveland, Ohio
Carter-Lockard Co., Los Angeles, Calif.
Cesco Products, Inc., Chicago, Ill.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fibre-Metal Prod. Co., The, Chester, Pa.
Flood Safety Prod. Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Holcomb Safety Garment Co., Chicago, Ill.
Hollup Corp., Chicago, Ill.
Kedman Co., Salt Lake City, Utah
Kimball Safety Prod. Co., Cleveland, Ohio
Lincoln Electric Co., Cleveland Ohio
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McFerron-Myers Prod. Co., Cleveland, Ohio
Metro Mfg. Co., Long Island City, N. Y.
Miller Elec. Mfg. Co., Appleton, Wis.
Mine Safety Appliances Co., Pittsburgh, Pa.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Precision Welder Mfg. Co., Chicago, Ill
Pulmosan Safety Equip. Corp., Brooklyn, N. Y.
Safety Clothing & Equip. Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Standard Safety Equipment Co., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
US Electric Welder Corp., Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welders Products, Chicago, Ill.
Welding Apparatus Co., Chicago, Ill.
Welding Engineering Co., Milwaukee, Wis.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Westinghouse Electric Corp., Pittsburgh, Pa.
Wheeler, F. H., Mfg. Co., Chicago, Ill.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wheeler, F. H., Mfg. Co., Chicago, Ill.
Willson Products, Inc., Reading, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

HELMETS, with Safety Hat

Boyer-Campbell Co., Detroit, Mich.
Bullard, E. D., Co., San Francisco, Calif.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Fibre-Metal Products Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
Kedman Co., Salt Lake City, Utah
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mine Safety Appliances Co., Pittsburgh, Pa.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Standard Safety Equip. Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

HELMETS, Sand Blast

American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Bullard, E. D., Co., San Francisco, Calif.
Chicago Eye Shield Co., Chicago, Ill.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Merchandise Dept., Bridgeport, Conn.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
MacLeod Co., The, Cincinnati, Ohio
Mine Safety Appliances Co., Pittsburgh, Pa.
Pangborn Corp., Hagerstown, Md.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Manufacturing Co., Chicago, Ill.
Standard Safety Equipment Co., Chicago, Ill.
United States Rubber Co., New York, N. Y.
Willson Products, Inc., Reading, Pa.

HELMETS, Supplied-Air

American Allsafe Co., Inc., Buffalo, N. Y.
Boyer-Campbell Co., The, Detroit, Mich.
Bullard, E. D., Co., San Francisco, Calif.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Fibre-Metal Products Co., The, Chester, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Industrial Products Co., Philadelphia, Pa.
Mine Safety Appliances Co., Pittsburgh, Pa.
Parsons Engineering Corp., Cleveland, Ohio
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing and Equipment Co., Cleveland, Ohio
Willson Products, Inc., Reading, Pa.

HIGH FREQUENCY UNITS

(See: "Conversion Units, A-C Arc")

HOISTS, Chain

Chester Hoist Div., National Screw & Mfg. Co., The, Lisbon, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Cleveland Crane & Engineering Co., The, Wickliffe, Ohio
Coffing Hoist Co., Danville, Ill.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Ford Chain Block Division of American Chain & Cable Co., Inc., York, Pa.
Harrington Co., The, Philadelphia, Pa.
Jeffrey Manufacturing Co., The, Columbus, Ohio
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Division, Muskegon, Mich.
Master Electric Co., The, Dayton, Ohio
Newhall Chain Forge & Iron Co., Westwood, N. J.
Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Reading Chain & Block Corp., Reading, Pa.
Robbins & Myers, Inc., Springfield, Ohio
Round, David, and Son, Cleveland, Ohio
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Sasgen Derrick Co., Chicago, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.
Taylor, S. G., Chain Co., Hammond, Ind.
U. S. Steel Supply Co., Chicago, Ill.
Wright Hoist Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOISTS, Differential

Chester Hoist Div., National Screw & Mfg. Co., The, Lisbon, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Coffing Hoist Co., Danville, Ill.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.

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Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Reading Chain & Block Corp., Reading, Pa.
Round, David, and Son, Cleveland, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Wright Hoist Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Div.), Philadelphia, Pa.

HOISTS, Electric

American Hoist & Derrick Co., St. Paul, Minn.
Chicago Pneumatic Tool Co., New York, N. Y.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Coffing Hoist Co., Danville, Ill.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Detroit Hoist & Machine Co., Detroit, Mich.
Ford Chain Block Division of American Chain & Cable Co., Inc., York, Pa.
Harnischfeger Corp., Milwaukee, Wis.
Harrington Co., The, Philadelphia, Pa.
Industrial Equipment Co., Chicago, Ill.
Jeffrey Manufacturing Co., The, Columbus, Ohio
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Division, Muskegon, Mich.
Master Electric Co., The, Dayton, Ohio
Northern Engineering Works, Detroit, Mich.
Reading Chain & Block Corp., Reading, Pa.
Robbins & Meyers, Inc., Springfield, Ohio
Round, David, and Son, Cleveland, Ohio
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Sasgen Derrick Co., Chicago, Ill.
Stearns-Roger Mfg. Co., Denver, Colo.
Stephens-Adamson Mfg. Co., Aurora, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Whiting Corp., Harvey, Ill.
Wright Hoist Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOISTS, Geared Trolley

Chicago Pneumatic Tool Co., New York, N. Y.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Cleveland Crane & Engineering Co., Wickliffe, Ohio
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Detroit Hoist & Machine Co., Detroit, Mich.
Ford Chain Block Division of American Chain & Cable Co., Inc., York, Pa.
Harrington Co., The, Philadelphia, Pa.
Industrial Equipment Co., Chicago, Ill.
Ingersoll-Rand Co., New York, N. Y.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Div., Muskegon, Mich.
Master Electric Co., The, Dayton, Ohio
Northern Engineering Works, Detroit, Mich.
Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Reading Chain & Block Corp., Reading, Pa.
Robbins & Meyers, Inc., Springfield, Ohio
Round, David, and Son, Cleveland, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Whiting Corp., Harvey, Ill.
Wright Hoist Divison of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOISTS, Hand Power

Aeroil Products Co., Inc., So. Hackensack, N. J.
American Hoist & Derrick Co., St. Paul, Minn.
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Cleveland Crane & Engineering Co., The, Wickliffe, Ohio
Coffing Hoist Co., Danville, Ill.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Ford Chain Block Division of American Chain & Cable Co., Inc., York, Pa.
Harrington Co., The, Philadelphia, Pa.
Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Reading Chain & Block Corp., Reading, Pa.
Robbins & Meyers, Inc., Springfield, Ohio
Round, David, and Son, Cleveland, Ohio
Sasgen Derrick Co., Chicago, Ill.
Stephens-Adamson Mfg. Co., Aurora, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Whiting Corp., Harvey, Ill.
Wright Hoist Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOISTS, Pneumatic

Chicago Pneumatic Tool Co., New York, N. Y.
Cleveland Crane & Engineering Co., Wickliffe, Ohio
Curtis Pneumatic Machinery, Div. of Curtis Mfg. Co., St. Louis, Mo.
Detroit Hoist & Machine Co., Detroit, Mich.
Independent Pneumatic Tool Co., Aurora, Ill.
Ingersoll-Rand Co., New York, N. Y.
Joy Mfg. Co., Pittburgh, Pa.
Keller Tool Co., Grand Haven, Mich.
Market Forge Co., Everett, Mass.
Northern Engineering Works, Detroit, Mich.

HOISTS, Ratchet Lever

Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Coffing Hoist Co., Danville, Ill.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Harrington Co., The, Philadelphia, Pa.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Division, Muskegon, Mich.
Rex Welder & Engineering Co., Kansas City, Mo.
Sasgen Derrick Co., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOISTS, Screw Geared

Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Ford Chain Block Division of American Chain & Cable Co., Inc., York, Pa.
Harrington Co., The, Philadelphia, Pa.
Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Reading Chain & Block Corp., Reading, Pa.
Round, David, and Son, Cleveland, Ohio
Sasgen Derrick Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Wright Hoist Division of American Chain & Cable Co., Inc., York, Pa.
Yale Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOISTS, Spur Geared

Chester Hoist Div., National Screw & Mfg. Co., The, Lisbon, Ohio
Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
Coffing Hoist Co., Danville, Ill.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Conco Engineering Works, Mendota, Ill.
Harrington Co., The, Philadelphia, Pa.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane and Hoist Division, Muskegon, Mich.
Northern Engineering Works, Detroit, Mich.
Philadelphia Chain Block & Mfg. Co., Inc., Philadelphia, Pa.
Reading Chain & Block Corp., Reading, Pa.
Robbins & Meyers, Inc., Springfield, Ohio
Round, David, and Son, Cleveland, Ohio
Sasgen Derrick Co., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Whiting Corp., Harvey, Ill.
Wright Hoist Division of American Chain & Cable Co., Inc., York, Pa.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOLDERS, Electrode

(See: "Electrode Holders"; "Arc-Oxygen"; "Atomic Hydrogen"; "Carbon"; "Inert-Gas-Shielded and Resistance")

HOLDERS, File

Bonney Forge & Tool Works, Allentown, Pa.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Nicholson File Co., Providence, R. I.
Plomb Tool Co., Los Angeles, Calif.
Remont Mfg. Co., Lombard, Ill.
Swiss Laboratory, Cleveland, Ohio

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HOLDERS, Soapstone

Atlas Welding Accessories Co., Ferndale, Mich.
Ragle Industries, Kansas City, Mo.
Randall Mfg. Co., North Kansas City, Mo.

HOODS and MASKS, Dust

American-LaFrance-Foamite Corp., Elmira, N. Y.
American Optical Co., Southbridge, Mass.
DeVilbiss Co., The, Toledo, Ohio
Fibre-Metal Products Co., The, Chester, Pa.
Goodrich, B. F., Co., The, Akron, Ohio
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Products Co., Cleveland, Ohio
McDonald, B. F., Co., Los Angeles, Calif.
Milburn Co., The, Detroit, Mich.
Mine Safety Appliances Co., Pittsburgh, Pa.
Paasche Airbrush Co., Chicago, Ill.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sciaky Bros., Inc., Chicago, Ill.
Standard Safety Equipment Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

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HOOKS, Chain

American Chain Division of American Chain & Cable Co., Inc., York, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Bridgeport Chain & Mfg. Co., Bridgeport, Conn.
Cleveland Chain & Mfg. Co., Cleveland, Ohio
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Durbin-Durco, St. Louis, Mo.
Laughlin, Thomas, Co., Portland, Me.
McKay Co., The, York, Pa.
Newhall Chain Forge & Iron Co., Westwood, N. J.
Taylor, S. G., Chain Co., Hammond, Ind.
Upson-Walton Co., The, Cleveland, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Western Chain Co., Chicago, Ill.
Williams, J. H., & Co., Buffalo, N. Y.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOOKS, Hoist, Drop Forged

American Chain Division of American Chain & Cable Co., Inc., York, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Billings & Spencer Co., Hartford, Conn.
Cleveland Chain & Mfg. Co., Cleveland, Ohio
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Ford Chain Block Division of American Chain & Cable Co., Inc., Philadelphia, Pa.
Laughlin, Thomas, Co., Portland, Me.
McKay Co., The, York, Pa.
Newhall Chain Forge & Iron Co., Westwood, N. J.
Roebling's, John A., Sons Co., Trenton, N. J.
Safety Clothing Equip. Co., Cleveland, Ohio
Taylor, S. G., Chain Co., Hammond, Ind.
Upson-Walton Co., The, Cleveland, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Wickwire Spencer Steel Division, The Colorado Fuel & Iron Corp., Buffalo, N. Y.
Wilcox, Crittenden & Co., Inc., Middletown, Conn.
Williams, J. H., & Co., Buffalo, N. Y.
Yale & Towne Mfg. Co., The (Philadelphia Division), Philadelphia, Pa.

HOOKS, Pipe, Wire

Paine Co., The, Chicago, Ill.
Western Wire Products Co., St. Louis, Mo.

HOSE, Clamps

(See: "Clamps, Hose")

HOSE, Fire

Boston Woven Hose & Rubber Co., Boston, Mass.
Gates Rubber Co., The, Denver, Colo.
Goodall Rubber Co., Trenton, N. J.
Goodrich, B. F., Co., The, Akron, Ohio
Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Home Rubber Co., The, Trenton, N. J.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
New York Belting & Packing Co., Passaic, N. J.
Quaker Rubber Corp., Philadelphia, Pa.
Raybestos-Manhattan, Inc., Passaic, N. J.
Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.

HOSE, Oxy-Acetylene

Air Reduction Sales Co., New York, N. Y.
American Brass Co., The, American Metal Hose Branch, Waterbury, Conn.
American Gas & Chemical Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., Chicago, Ill.
Black Manufacturing Co., Baltimore, Md.
Boston Woven Hose & Rubber Co., Boston, Mass.
Burdett Oxygen Co., Cleveland, Ohio
Diamond Mechanical Goods Division of The B. F. Goodrich Co., Akron, Ohio
Eastern Equipment Co., Inc., Willow Grove, Pa.
Electric Hose & Rubber Co., Wilmington, Dela.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fauver, J. N., Co., Detroit, Mich.
Gates Rubber Co., The, Denver, Colo.
Goodall Rubber Co., Philadelphia, Pa.
Goodrich, B. F., Co., The, Akron, Ohio
Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Harris Calorific Co., Cleveland, Ohio
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Nageldinger & Son, J., Inc., New York, N. Y.
New York Belting & Packing Co., Passaic, N. J.
Oxweld Railroad Service Co., Unit of Union Carbide and Carbon Corp., Chicago, Ill.
Quaker Rubber Corp., Philadelphia, Pa.
Raybestos Division, The, Raybestos-Manhattan, Inc., Bridgeport, Conn.
Raybestos-Manhattan, Inc., Passaic, N. J.
Republic Rubber Division, Lee Rubber and Tire Corp., Youngstown, Ohio
Sight Feed Generator Co., West Alexandria, Ohio
Thermoid Rubber, Division of Thermoid Co., Trenton, N. J.
Torchweld Equipment Co., Chicago, Ill.
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

HOSE, Sand Blast

Boston Woven Hose & Rubber Co., Boston, Mass.
Chicago Metal Hose Corp., Maywood, Ill.
Diamond Mechanical Goods Division of The B. F. Goodrich Co., Akron, Ohio
Gates Rubber Co., The, Denver, Colo.
Goodall Rubber Co., Philadelphia, Pa.
Goodrich, B. F., Co., The, Akron, Ohio
Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
MacLeod Co., The, Cincinnati, Ohio
New York Belting & Packing Co., Passaic, N. J.
Paasche Airbrush Corp., Philadelphia, Pa.
Pangborn Corp., Hagerstown, Md.
Quaker Rubber Corp., Philadelphia, Pa.
Raybestos-Manhattan, Inc., Passaic, N. J.
Republic Rubber Division, Lee Rubber and Tire Corp., Youngstown, Ohio
Thermoid Rubber, Division of Thermoid Co., Trenton, N. J.
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.

HOSE, Steam

American Brass Co., The, Waterbury, Conn.
American Brass Co., The, American Metal Hose Branch, Waterbury, Conn.
Atlantic Metal Hose Co., Inc., New York, N. Y.
Boston Woven Hose & Rubber Co., Boston, Mass.
Chicago Metal Hose Corp., Maywood, Ill.
Diamond Mechanical Goods Division of The B. F. Goodrich Co., Akron, Ohio
Electric Hose & Rubber Co., Wilmington, Dela.
Fauver, J. N., Co., Inc., Detroit, Mich.
Gates Rubber Co., The, Denver, Colo.
Goodall Rubber Co., Philadelphia, Pa.
Goodrich, B. F., Co., The, Akron, Ohio
Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Hewitt Rubber Div., Hewitt-Robins, Inc. Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Ingersoll-Rand Co., New York, N. Y.
Mulconroy Co., Philadelphia, Pa.
New York Belting & Packing Co., Passaic, N. J.
Quaker Rubber Corp., Philadelphia, Pa.
Raybestos-Manhattan, Inc., Passaic, N. J.
Republic Rubber Division, Lee Rubber and Tire Corp., Youngstown, Ohio
Thermoid Rubber, Division of Thermoid Co., Trenton, N. J.
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.

HOSE, Welding, Dual Passage

Boston Woven Hose & Rubber Co., Boston, Mass.
Eagle Welding Equipment Co., Chicago, Ill.
Electric Hose & Rubber Co., Wilmington, Dela.
Gates Rubber Co., The, Denver, Colo.
Goodall Rubber Co., Trenton, N. J.
Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Hewitt Rubber Div., Hewitt-Robins, Inc., Buffalo, N. Y.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Marquette Mfg. Co., Minneapolis, Minn.
Metro Mfg. Co., Long Island City, N. Y.
Modern Engineering Co., Inc., St. Louis, Mo
New York Belting & Packing Co., Passaic, N. J.
Quaker Rubber Corp., Philadelphia, Pa.
Raybestos-Manhattan, Inc., Passaic, N. J.
Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio
Sight Feed Generator Co., West Alexandria, Ohio
U. S. Steel Supply Co., Chicago, Ill.

HOSE, Ventilating

American Brass Co., The, American Metal Hose Branch, Waterbury, Conn.
American Ventilating Hose Co., New York, N. Y.
Boston Woven Hose & Rubber Co., Boston, Mass.
Buckeye Oxygen Co., Canton, Ohio
duPont de Nemours & Co., Inc., E. I. Fabrics Div., Fairfield, Conn.
Electric Hose & Rubber Co., Wilmington, Dela.
Goodrich, B. F., Co., The, Akron, Ohio
Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Hewitt-Robins Inc., Hewitt Rubber Div., Buffalo, N. Y.
Home Rubber Co., Trenton, N. J.
Lee Rubber & Tire Corp., Youngstown, Ohio
Mulconroy Co., Philadelphia, Pa.
New York Belting & Packing Co., Passaic, N. J.
Paasche Airbrush Co., Chicago, Ill.
Raybestos-Manhattan, Inc., Passaic, N. J.
Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio
United States Rubber Co., New York, N. Y.
U. S. Steel Supply Co., Chicago, Ill.

HYDROGEN, Compressed

Acetylene Co. of Utah, Salt Lake City, Utah
American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., Cleveland, Ohio
Commercial Gas Corp., Wilkes-Barre, Pa.
Independent Engineering Co., Inc., O'Fallon, Ill.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
New England Gas Products, Inc., Charlestown, Mass.
Steele Gases, Inc., Chicago, Ill.
Stuart Oxygen Co., San Francisco, Calif.
Superior Industrial Gas Corp., Astoria, N. Y.
Welding Materials, Inc., Lemoyne, Pa.

INCONEL (Standard Mill Forms)

International Nickel Co., Inc., The, New York, N. Y.
Robvon Corp., The, Denver, Colo.
Steel Sales Corp., Chicago, Ill.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

INDUCTION-BRAZING EQUIPMENT

Ajax Electrothermic Corp., Trenton, N. J.
Ecco High Frequency Corp., North Bergen, N. J.
Federal Electric Co., Inc., Chicago, Ill.
Federal Telephone and Radio Corp., New York, N. Y.
Gordon Co., Claud S., Chicago, Ill.
Induction Heating Corp., Brooklyn, N. Y.
Illinois Tool Works Electronics Div., Chicago, Ill.
Lepel High Frequency Labs., Inc., New York, N. Y.
Marion Electrical Instrument Co., Manchester, N. H.
Ohio Crankshaft Co., The, Tocco Div., Cleveland, Ohio
Precision Welder Mfg. Co., Chicago, Ill.
Weltronic Co., Detroit, Mich.

INERT-GAS-SHIELDED WELDING EQUIPMENT

(See: "Welders, Arc, Inert Gas Shielded")

INGOTS

(Refer to: Specific Metal)

INSERTS, Tungsten Carbide

American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Carboloy Co., Inc., Detroit, Mich.
Fansteel Metallurgical Corp., North Chicago, Ill.
Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
Linde Products Co., The., Unit of Union Carbide and Carbon Corp., New York, N. Y.
Moslo Machinery Co., Cleveland, Ohio
Stoody Co., Whittier, Calif.
Vascoloy-Ramet Corp., Waukegan, Ill.

INSPECTION EQUIPMENT, Cables

Zucker, Myron Eng. Co., Detroit, Mich.

INSPECTION EQUIPMENT, Fluorescent

Benjamin Electric Mfg. Co., Des Plaines, Ill.
Ideal Industries Inc., Sycamore, Ill.
Magnaflux Corp., Chicago, Ill.
St. John X-Ray Laboratory, Califon, N. J.

INSPECTION EQUIPMENT, Magnetic-Particle

Magnaflux Corp., Chicago, Ill.
Weltronic Co., Detroit, Mich.

INSPECTION EQUIPMENT, Radium

Canadian Radium & Uranium Corp., New York, N. Y.
Kelley-Koett Mfg. Co., The, Covington, Ky.
Radium Chemical Co., Inc., New York, N. Y.
St. John X-Ray Laboratory, Califon, N. J.

INSPECTION EQUIPMENT, Ultrasonic

General Electric Co., Schenectady, N. Y.
Magnaflux Corp., Chicago, Ill.
Sperry Products, Inc., Danbury, Conn.
Triplett & Barton, Inc., Burbank, Calif.

INSPECTION EQUIPMENT, X-Ray

Bar-Ray Products, Inc., Brooklyn, N. Y.
E. I. duPont de Nemours & Co., Inc., Pattern Screen Div., Towanda, Pa.
Claude S. Gordon Co., Chicago, Ill.
General Electric X-Ray Corp., Milwaukee, Wis.
Kelley-Koett Mfg. Co., The, Covington, Ky.
Machlett Laboratories, Inc., Springdale, Conn.
North American Philips Co., Inc., New York, N. Y.
Pako Corp., Minneapolis, Minn.
Picker X-Ray Corp., New York, N. Y.
Radium Chemical Co., Inc., New York, N. Y.
Ray Proof Corp., New York, N. Y.

St. John X-Ray Laboratories, Califfon, N. J.
St. John X-Ray Service, Inc., Long Island City, N. Y.
Standard X-Ray Co., Chicago, Ill.
Triplett & Barton, Inc., Burbank, Calif.
Westinghouse Electric Corp., Pittsburgh, Pa.

INSPECTION EQUIPMENT, Weld

(See: "Inspection Equipment, Fluorescent," "Inspection Equipment, Magnetic-Particle," "Inspection Equipment, Radium," "Inspection Equipment, X-Ray," "Gauges, Weld, Measuring," "Lamps, Welding," "Magnifiers, Inspection" and "Radium, Inspection")

INSTRUMENTS, Current Measuring, AC & DC

Automatic Temperature Control Co. Inc., Philadelphia, Pa.
Columbia Electric Mfg. Co., Cleveland, Ohio
Brush Development Co., The, Cleveland, Ohio
Weltronic Co., Detroit, Mich.

INSTRUMENTS, Training Aids

Automatic Temperature Control Co., Inc., Philadelphia, Pa.
Bristol Co., The, Waterbury, Conn.
Linde Air Products Co., The, New York, N. Y.
Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
Rapidesign, Inc., Glendale, Calif.
Rubicon Co., Philadelphia, Pa.
Sell, H. H., Elec. Co., Minneapolis, Minn.
Smith, A. O., Corp., Milwaukee, Wis.
U. S. Gauge Co., Div. of American Machine and Metals, Inc., Sellersville, Pa.
Westinghouse Electric Corp., Pittsburgh, Pa.

IRON CEMENT

(See: "Cement, Iron")

IRONS, Soldering

Bastian-Blessing Co., The, Chicago, Ill.
Bernz, Otto, Co., Inc., Rochester, N. Y.
Century Aircraft, Los Angeles, Calif.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Electric Soldering Iron Co., Inc., Deep River, Conn.
Flux-All Chemical Products, New York, N. Y.
Goss Gas, Inc., Pittsburgh, Pa.
Hexacon Electric Co., Roselle Park, N. J.
Insto-Gas Corp., Detroit, Mich.
Johnson Gas Appliance Co., Cedar Rapids, Iowa
Kemode Co., The, Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Oxweld Railroad Service Co., The, Chicago, Ill.
Revere Copper & Brass, Inc., New York, N. Y.
Selas Corp. of America, Philadelphia, Pa.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Stanley Tools, Division of the Stanley Works, New Britain, Conn.
Turner Brass Works, The, Sycamore, Ill.
Vulcan Electrical Co., Lynn, Mass.

IRONS, Soldering, Electric

Eisler Engineering Co., Inc., Newark, N. J.
Electric Soldering Iron Co., Inc., Deep River, Conn.
Flux-All Chemical Products, New York, N. Y.
General Electric Co., Schenectady, N. Y.
Hexacon Electric Co., Roselle Park, N. J.
Ideal Industries, Inc., Sycamore, Ill.
Kwikheat Mfg. Co., Glendale, Calif.
Multi-Products Tool Co., Newark, N. J.
Stanley Tools, Division of the Stanley Works, New Britain, Conn.
Sta-Warm Electric Co., Ravenna, Ohio
Vulcan Electric Co., Danvers, Mass.

JACKS, Lifting

Blackhawk Mfg. Co., Milwaukee, Wis.
Buda Co., The, Harvey, Ill.
Dudgeon, Richard, Inc., New York, N. Y.
Duff-Norton Mfg. Co., Pittsburgh, Pa.
Joyce-Cridland Co., The, Dayton, Ohio
Illinois Iron & Bolt Co., Carpentersville, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Munton Mfg. Co., Franklin Park, Ill.
Reed Eng. Co., Carthage, Mo.
Revolvator Co., North Bergen, N. J.
Templeton, Kenly & Co., Chicago, Ill.
U.S. Steel Supply Co., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.

JACKS, Screw

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Buda Co., The, Harvey, Ill.
Duff-Norton Mfg. Co., Pittsburgh, Pa.
Illinois Iron & Bolt Co., Carpentersville, Ill.
Joyce-Cridland Co., The, Dayton, Ohio
Templeton, Kenly & Co., Chicago, Ill.

JAWS, Pipe, for Vises

Armstrong Bros. Tool Co., Chicago, Ill.
Capewell Mfg. Co., The, Hartford, Conn.
Columbian Vise & Mfg. Co., The, Cleveland, Ohio
Desmond-Stephan Mfg. Co., Urbana, Ohio
Grand Specialties Co., Chicago, Ill.
Hollands Mfg. Co., Erie, Pa.
Progressive Welder Co., Detroit, Mich.
Ridge Tool Co., The, Elyria, Ohio
Wilton Tool Mfg. Co., Chicago, Ill.

JAWS, Vise

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Desmond-Stephan Mfg. Co., Urbana, Ohio
Grand Specialties Co., Chicago, Ill.
Lord, Robert S., Co., Eau Claire, Wis.
Parker, Charles, Co., The, Meriden, Conn.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Ridge Tool Co., The, Elyria, Ohio
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Williams, J. H., & Co., Buffalo, N. Y.
Wilton Tool Mfg. Co., Chicago, Ill.

JIGS and FIXTURES, Welding

Acme Manufacturing Co., Detroit, Mich.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Aronson Machine Co., Arcade, N. Y.
Bunell Machine & Tool Co., Cleveland, Ohio
Bentley Weldery, Inc., Syracuse, N. Y.
Bernard Welding Equipment Co., Chicago, Ill.
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Dahlstrom Manufacturing Co., St. Paul, Minn.
Daihart Eng. & Mfg. Co., Inc., Van Dyke, Mich.
Eisler Engineering Co., Inc., Newark, N. J.
Electroloy Co., Inc., Bridgeport, Conn.
Federal Machine & Welder Co., The, Warren, Ohio
Garfield Engineering Corp., Kansas City, Mo.
Gouran, Mark F., Philadelphia, Pa.
Graham Manufacturing Corp., Ferndale, Mich.
Hamilton Tool Co., The, Hamilton, Ohio
Hedstrom Industries, Inc., Chicago, Ill.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Layne-Held Corp., Higginsville, Mo.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
Martin Electric Co., Detroit, Mich.
McFerron-Myers Prod. Co., Cleveland, Ohio
McHale Mfg. Co., Los Angeles, Calif.
Multi-Hydromatic Welding & Mfg. Co., East Detroit, Mich.
Oxweld Railroad Service Co., The, Chicago, Ill.
Peck, Cecil C., Co., Cleveland, Ohio
Rapid-Titan Mfg. Co., Grand Rapids, Mich.
Reed Engineering Co., Carthage, Mo.
Resistance Welder Corp., Detroit, Mich.
Service Machine Co., Elizabeth, N. J.
Swift Electric Welder Co., Detroit, Mich.
Vangtronic Corp., The, Bridgeport, Conn.
Welding Machines Mfg. Co., Detroit, Mich.
Westinghouse Electric Mfg. Co., Pittsburgh, Pa.
Wolverine Tool Co., Detroit, Mich.

JIGS, Hard-Facing

Coast Metals, Inc., Canton, Ohio
Kerkling Metals Co., Burbank, Calif.
Peck, Cecil C., Co., Cleveland, Ohio
Phillips, C. E., & Co., Detroit, Mich.
Ransome Machinery Co., Dunellen, N. J.

JIGS, Pipe-Welding

Bernard Welding Equipment Co., Chicago, Ill.
Electric Arc, Inc., Newark, N. J.
Jewell Mfg. Co., St. Paul, Minn.
McFerron Myers Prod. Co., Cleveland, Ohio
Midwest Piping & Supply Co., Inc., St. Louis, Mo.
Nelsonville Fdry. & Machine Co., Nelsonville, Ohio
Oxo Welding Equip. Co., Chicago, Ill.
Peck, Cecil C., Co., Cleveland, Ohio
Ransome Machinery Co., Dunellen, N. J.
Stoody Co., Whittier, Calif.
Welding Machines Mfg. Co., Detroit, Mich.

JUMPERS

(See: "Cables, Resistance Welding")

KITS, Electrode

All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio
Eutectic Welding Alloys Corp., Flushing, N. Y.
Hollup Corp., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
S-M-S Corp., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.

KITS, First Aid

American Allsafe Co., Inc., Buffalo, N. Y.
Bullard, E. D., Co., San Francisco, Calif.
Carter-Lockard Co., Los Angeles, Calif.
Davis Emergency Equip. Co., Inc., Newark, N. J.
Eastern Safety Equipment Co., New York, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Products Co., Philadelphia, Pa.
McDonald Co., B. F., Los Angeles, Calif.
Mine Safety Appliances Co., Pittsburgh, Pa.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equip. Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.

KITS, Welding and Brazing

American Agile Corp., Cleveland, Ohio
Bastian-Blessing Co., The, Chicago, Ill.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Imperial Brass Mfg. Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Milburn, Inc., Alexander, Baltimore, Md.
National Welding Equipment Co., Ltd., San Francisco, Calif.

LADLES, Metal Melting, Skimming and Pouring

American Car and Foundry Co., New York, N. Y.
Bernz, Otto, Co., Inc., Rochester, N. Y.
Clayton & Lambert Mfg. Co., Louisville, Ky.
Diemer, Geo. W., Mfg. Co., Chicago, Ill.
Dixon, Joseph, Crucible Co., Jersey City, N. J.
Eclipse Fuel Engineering Co., Rockford, Ill.
General Detroit Corp., The, Detroit, Mich.
General Scientific Equip. Co., Philadelphia, Pa.
Hollands Mfg. Co., Erie, Pa.
Unique Mfg. Co., Inc., Chicago, Ill.
Peck, Stow & Wilcox Co., Southington, Conn. (Metal melting only).
Salem Tool Co., The, Salem, Ohio
Syracuse Alloy Metals Corp., Syracuse, N. Y.
Whiting Corp., Harvey, Ill.

LAMPS, Welding and Inspection

Benjamin Electric Mfg. Co., Des Plaines, Ill.
Champion Lamp Works, Lynn, Mass.
General Electric Lamp Works, Cleveland, Ohio
Harmon & Co., Chicago, Ill.
McGill Mfg. Co., Inc., Valparaiso, Ind.
National Carbide Co., Div. of Air Reduction Co., Inc., New York, N. Y.
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Safety Clothing & Equip. Co., Cleveland, Ohio
Stevens & Co., Inc., C. H., Cornwall Bridge, Conn.
Thermacote Co., Los Angeles, Calif.
Westinghouse Lamp Division, Bloomfield, N. J.

LEAD-WELDING EQUIPMENT

American Oxygen Service Corp., Harrison, N. J.
Bastian-Blessing Co., The, Chicago, Ill.
Burdett Oxygen Co., The, Cleveland, Ohio
Craftsweld Equip. Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Harris Calorific Co., Cleveland, Ohio
Imperial Brass Mfg. Co., Chicago, Ill.
Insto-Gas Corp., Detroit, Mich.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
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National Welding Equipment Co., Ltd., San Francisco, Calif.
Precision Welder Mfg. Co., Chicago, Ill.
Sight Feed Generator Co., West Alexandria, Ohio
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Trindl Products Ltd., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
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LEATHER, Weldors'

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(See specific item such as: "Aprons," "Capes" and "Coats," "Gloves," "Guard Finger," "Overalls," "Pants," Etc.)

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Keasbey & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
McDonald, B. F., Co., Los Angeles, Calif.
Mine Safety Appliances Co., Pittsburgh, Pa.
Olympic Glove Co., Inc., The, New York, N. Y.
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Wheeler Protective Apparel, Chicago, Ill.
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General Scientific Equipment Co., Philadelphia, Pa.
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Eastern Safety Equip. Co., New York, N. Y.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Faulk, F. R., Pittsburgh, Pa.
Fibre-Metal Prod. Co., The, Chester, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Hollup Corp., Chicago, Ill.
Kimball Safety Prod. Co., Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
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Parker Safety Equipment Co., Irvington, N. J.
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LENSES, Cover

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Bausch & Lomb Optical Co., Rochester, N. Y.
Boyer-Campbell Co., Detroit, Mich.
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Champion Rivet Co., Cleveland, Ohio
Chicago Eye Shield Co., Chicago, Ill.
Dockson Corp., Detroit, Mich.
Dunn Products, Chicago, Ill.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Electro Cover Glass Co., Inc., Pittsburgh, Pa.
Ergolyte Mfg. Co., Philadelphia, Pa.
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Fibre-Metal Prod. Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
K-G Welding and Cutting Co., Inc., New York, N. Y.
Kimball Safety Prod. Co., Cleveland, Ohio
Lincoln Electric Co., The, Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
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Oxweld Railroad Service Co., The, Chicago, Ill.
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LENSES, Cover, Plastic

American Optical Co., Southbridge, Mass.
Flood Safety Products Co., Chicago, Ill.
Oxo Welding Equipment Co., Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.

LENSES, Glass

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Chicago Eye Shield Co., Chicago, Ill.
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Sciaky Bros., Inc., Chicago, Ill.
Wilson Products, Inc., Reading, Pa.

LENSES, Goggle

Air Reduction Sales Co., New York, N. Y.
American Agile Corp., Cleveland, Ohio
American Industrial Safety Equip. Co., Cleveland, Ohio
American Optical Co., Southbridge, Mass.
Bache, Semon & Co., New York, N. Y.
Bausch & Lomb Optical Co., Rochester, N. Y.
Buegeleisen, Harry, Inc., Brooklyn, N. Y.
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Oxweld Railroad Service Co., The, Chicago, Ill.
Oxo Welding Equip. Co., Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Sellstrom Mfg. Co., Chicago, Ill.
Sight Feed Generator Co., West Alexandria, O.
Standard Safety Equip. Co., Chicago, Ill.
Thermacote Co., Los Angeles, Calif.
Univis Lens Co., The, Dayton, Ohio
Watchemoket Optical Co., Inc., Providence, R. I.
Welding Alloys Mfg. Co., Newark, N. J.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

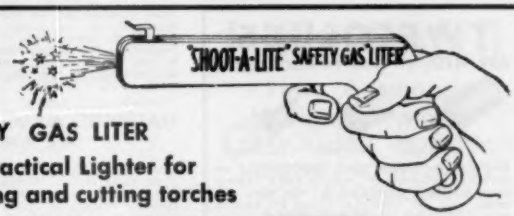
LENSES, Helmet

Air Reduction Sales Co., New York, N. Y.
American Industrial Safety Equip. Co., Cleveland, Ohio
Arc Welding Supply Co., Bronx, N. Y.
Bache, Semon & Co., New York, N. Y.
Bausch & Lomb Optical Co., Rochester, N. Y.
Buegeleisen, Harry, Inc., Brooklyn, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Chicago Eye Shield Co., Chicago, Ill.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fibre-Metal Products Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hobart Bros. Co., The, Troy, Ohio
Industrial Products Co., Philadelphia, Pa.
Industrial Air Prod. Co., Portland, Ore.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Jackson Products, Warren, Mich.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metro Mfg. Co., Long Island City, N. Y.
Miller Electric Mfg. Co., Inc., Appleton, Wis.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Olympic Glove Co., Inc., The, New York, N. Y.
Precision Welder Mfg. Co., Chicago, Ill.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Standard Safety Equip. Co., Chicago, Ill.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Welding Alloys Mfg. Co., Newark, N. J.
Welding Engineering Corp., Milwaukee, Wis.
Weldit, Inc., Detroit, Mich.
Welsh Mfg. Co., Providence, R. I.
Williams & Co., Inc., Pittsburgh, Pa.
Willson Products, Inc., Reading, Pa.

LENSES, Oxygen and Acetylene Gauges

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
American Industrial Safety Equipment Co., Brooklyn, N. Y.
Bache, Semon & Co., New York, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Carter-Lockhard Co., Los Angeles, Calif.
Culver Glass Specialties, Inc., New York, N. Y.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Flood Safety Products Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Ore.
K-G Welding and Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Metro Mfg. Co., Long Island City, N. Y.

SHOOT-A-LITE



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SAFE! SURE! STRONG!
Ask your jobber or write us.
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110 WASHINGTON ST. DEPT. WE NEW YORK 6, N. Y.

O. K. I. Welding Supply Co., Cincinnati, Ohio
Oxweld Railroad Service Co., Chicago, Ill.
Ragle Industries, J. M., Kansas City, Mo.
Sellstrom Mfg. Co., Chicago, Ill.
Standard Safety and Equipment Co., Cleveland, Ohio
Standard Safety Equipment Co., Chicago, Ill.
U. S. Gauge Co., Div. of American Machine and Metals, Inc., Sellersville, Pa.
Victor Equipment Co., San Francisco, Calif.

LIGHTERS, Torch

Allied Weld-Craft, Inc., Indianapolis, Ind.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Auffhauser Brothers Corp., New York, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eclipse Fuel Engineering Co., Rockford, Ill.
Flint Products Co., The, Brooklyn, N. Y.
Fuller, G. C., Mfg. Co., Cincinnati, Ohio
General Scientific Equip. Co., Philadelphia, Pa.
Harris Calorific Co., Cleveland, Ohio
Holden, A. F., Co., The, New Haven, Conn.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, New York, N. Y.
Liquid Carbonic Corp., Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Metal Bond Mfg. Co., St. Louis, Mo.
Modern Engineering Co., Inc., St. Louis, Mo.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Oxweld Railroad Service Co., The, Unit of Union Carbide and Carbon Corp., Chicago, Ill.
Parker Safety Equip. Co., Irvington, N. J.
Randall Mfg. Co., North Kansas City, Mo.
Safety Clothing and Equipment Co., Cleveland, Ohio
Selas Corp. of America, Philadelphia, Pa.
Safety Gas Lighter Co., Lynn, Mass.
Shoot-A-Lite Corp., New York, N. Y.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

LIGHTS, Portable Acetylene

American Oxygen Service Corp., Harrison, N. J.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Milburn, Inc., Alexander, Baltimore, Md.
National Carbide Co., Div. of Air Reduction Co., Inc., New York, N. Y.

Oxweld Railroad Service Co., The, Chicago, Ill.
Sight Feed Generator Co., The, W. Alexandria, Ohio

LUBRICATORS, Airline

Arc Equipment Corp., Bryan, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Gardner-Denver Co., Quincy, Ill.
Hannifin Corp., Chicago, Ill.
Independent Pneumatic Tool Co., Chicago, Ill.
Ingersoll-Rand Co., New York, N. Y.
Lincoln Engineering Co., St. Louis, Mo.
M-B Products Co., Detroit, Mich.
Norgren Co., C. A., Denver, Colo.
Paasche Airbrush Co., Chicago, Ill.
Schrader's, A., Son, Div. of Scovill Mfg. Co., Inc., Brooklyn, N. Y.
Victor Equip. Co., San Francisco, Cal.

LUGS, Welding Cable

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
Aircraft-Marine Products, Inc., Harrisburg, Pa.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
Allied Weld-Craft, Inc., Indianapolis, Ind.

(Continued on page 58

VICTOR
Filter-Regulator-Lubricator

For use on air-operated tools and machinery to regulate, lubricate and filter dirt and water out of the air supply. Can be cleaned without removal from line. Oil cup can be filled while operating. Available to fit 1/4", 3/8", 1/2", 3/4", 1", and 1 1/4" pipe.

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JACKSON
CABLE LUGS
45 and 180°

Quality products, part of a group including Ground Clamps, Cable Connectors, Splicers and Lugs, all available in sizes No. 1, 2/0, and 4/0. Made by the makers of the popular quality line of Arc Welding Electrode Holders.

JACKSON PRODUCTS
WARREN, MICHIGAN

CADDY LUGS

Caddy lugs available in sizes No. 2 to 4/0.

Lugs attached by Cadweld Process — copper oxide and aluminum are dumped in graphite crucible holding lug and cable and ignited with a flint gun. The molten copper welds the cable and lug permanently. Connection has greater current carrying capacity than cable itself. Time, less than one minute.

For the best in quick connectors, cable splicing, ground clamps and electrode holders — Buy Caddy — Bulletins on request.

Trade name CADDY

ERICO PRODUCTS, INC.
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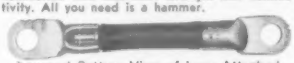
TWECOLUGS
FOR WELDING AND POWER CABLES

New copper solder type TWECOLUGS are especially designed for making cable connections; they have large diameter stud holes with ample wing nut clearance. 4 sizes for welding cables 6 through 4/0. 4 sizes for power cables 14 through 4.

TWECO "LUG-SET"

An eight-saddle back-up block and a special round-end punch for mechanically attaching Copper TWECOLUGS and "Lug-Set" Splicers.

The punch impacts the lug barrel for a quick connection with maximum strength and conductivity. All you need is a hammer.



Top and Bottom View of Lugs Attached

TWECOLUGS—mechanical type, are available for attaching to cable with a wrench.

See Your Welding Supply Distributor

TWECO PRODUCTS

Tweco

PRODUCTS COMPANY 1452 S. MOSLEY WICHITA 1, KANSAS

LUGS, Welding Cable

(Continued from page 57)

Arc Welding Supply Co., Bronx, N. Y.
Burndy Engineering Co., Inc., New York, N. Y.
Cam-Lok, Div. of Empire Prod., Inc., Cincinnati 36, Ohio
Chicago Tool & Engineering Co., Chicago, Ill.
Erico Products, Inc., Cleveland, Ohio
Fibre-Metal Prod. Co., The, Chester, Pa.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Jackson Products, Warren, Mich.
Larkin Lectro Products Co., New York, N. Y.
Lincoln Electric Co., Cleveland, Ohio
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Manufacturing Co., Inc., Minneapolis, Minn.
National Cable Corp., Milwaukee, Wis.
National Cylinder Gas Co., Chicago, Ill.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Perfecto Lug and Cable Connector Co., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Sherman Mfg. Co., H. B., Battle Creek, Mich.
Trindl Products, Ltd., Chicago, Ill.
Tweco Prod. Co., Wichita, Kan.
US Electric Welder Corp., Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.

WELD WITH WAGNER
"SWEDGE-ON"
CABLE LUGS

Developed for either soldering or swedging connections to cable. Made extra heavy from pure copper — always safe, quickly attached, and economical.

Sold only thru welding supply distributors

WAGNER
MANUFACTURING CO.
JACKSON, MO.

Victor Equipment Co., San Francisco, Calif.
Wagner Mfg. Co., Inc., Jackson, Mo.
Weldit, Inc., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.
Will-Weld Mfg. Co., Inc., Omaha, Neb.
Wilson Welder & Metals Co., Inc., New York, N. Y.

MACHINES, Automatic & Submerged Arc Welding

Agnew Electric Co., Milford, Mich.
Leader Welder Mfg. Co., Berkeley, Calif.
Lincoln Electric Co., Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
Morton Mfg. Co., Muskegon Heights, Mich.
Niagara Machine & Tool Works, Buffalo, N. Y.
Oxweld Railroad Service Co., The, Chicago, Ill.
Peck, Cecil C., Co., Cleveland, Ohio
Progressive Welder Co., Detroit, Mich.
Webb Corp., The, Webb City, Mo.
Swift Electric Welder Co., Detroit, Mich.
Zucker, Myron, Engineering Co., Detroit, Mich.

MACHINES, Bending, Pipe
(See also: "Benders-Conduit, Pipe and Tubing")

Baldwin Locomotive Works, The, Philadelphia, Pa.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Greenlee Tool Co., The, Rockford, Ill.
Kling Bros. Engineering Works, Chicago, Ill.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Parker Appliance Co., The, Cleveland, Ohio
Pedrick Tool & Machine Co., Philadelphia, Pa.
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Silent Hoist & Crane Co., Inc., Brooklyn, N. Y.
Skinner, M. B., Co., South Bend, Ind.
Studebaker Machine Co., Maywood, Ill.
Tal Bender, Inc., Milwaukee, Wis.
Thomas Machine Mfg. Co., Pittsburgh, Pa.
U. S. Steel Supply Co., Chicago, Ill.
Wallace Supplies Mfg. Co., Chicago, Ill.
Watson-Stillman Co., The, Roselle, N. J.

MACHINES, Bending and Straightening, for Beam, Rail, Rod or Shaft

Baldwin Locomotive Works, The, Philadelphia, Pa.
Champion Blower & Forge Co., Lancaster, Pa.
Cleveland Crane & Engineering Co., Wickliffe, Ohio
Dudgeon, Richard, Inc., New York, N. Y.
Hydraulic Press Mfg. Co., The, Mount Gilead, Ohio
Kling Bros. Engineering Works, Chicago, Ill.
Medart Co., The, St. Louis, Mo.
Niagara Machine & Tool Works, Buffalo, N. Y.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Studebaker Machine Co., Maywood, Ill.
Thomas Machine Mfg. Co., Pittsburgh, Pa.
Watson-Stillman Co., The, Roselle, N. J.
Webb Corp., The, Webb City, Mo.

MACHINES, Beveling Pipe

Vernon Tool Co., Ltd., Alhambra, Cal.

MACHINES, Brazing Gas

Gas Appliance Service, Inc., Chicago, Ill.
Eclipse Fuel Engineering Co., Rockford, Ill.
Gasflux Co., The, Mansfield, Ohio
Modern Engineering Co., Inc., St. Louis, Mo.
Peck, Cecil C., Co., Cleveland, Ohio
Sight Feed Generator Co., W. Alexandria, Ohio

MACHINES, Brazing, Resistance

American Electric Fusion Corp., Chicago, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Ideal Industries Inc., Sycamore, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Swift Electric Welder Co., Detroit, Mich.
Weldex, Inc., Detroit, Mich.

MACHINES, Buffing, Electric, Portable

Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Clark, James, Jr., Electric Co., Louisville, Ky.
Haskins, R. G., Co., Chicago, Ill.
Independent Pneumatic Tool Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Rotor Tool Co., Cleveland, Ohio
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tools, Division The Stanley Works, New Britain, Conn.
Sterling Tool Products Co., Chicago, Ill.
Stow Manufacturing Co., Inc., Binghamton, N. Y.
Swartz & White Mfg. Co., Binghamton Flexible Shaft Division, Binghamton, N. Y.

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WELDING TERMINAL and CABLE LUGS

CAM-LOK Female Terminal Lugs are quick detachable for CAM-LOK Male Ends. CAM-LOK Cable Lugs are mechanically attached with large set screw. Greater conductivity and longer life assured. Offered in angle or offset styles for light, medium and heavy duty applications.

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DIVISION OF EMPIRE PRODUCTS INC.

Syntron Co., Homer City, Pa.
United States Electrical Tool Co., The, Cincinnati, Ohio
Valley Electric Corp., St. Louis, Mo.
Van Dorn Electric Tool Co., The, Towson, Md.
Walker-Turner Co., Inc., Plainfield, N. J.
Wodack Electric Tool Corp., Chicago, Ill.

MACHINES, Buffing, Flexible Shaft

Bradford Machine Tool Co., The, Cincinnati, Ohio
Haskins, R. G., Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Porter-Cable Mach. Co., Syracuse, N. Y.
Pratt & Whitney, Div., Niles-Bement-Pond Co., West Hartford, Conn.
Stanley Electric Tools, Division The Stanley Works, New Britain, Conn.
Stow Manufacturing Co., Inc., Binghamton, N. Y.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Swartz & White Mfg. Co., Binghamton Flexible Shaft Division, Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio

MACHINES, Buffing, Pneumatic

Aro Equipment Corp., The, Bryan, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div., Reed Roll Bit Co., Houston, Texas
Divine Brothers Co., Utica, N. Y.
Independent Pneumatic Tool Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Paasche Airbrush Co., Chicago, Ill.
Rotor Tool Co., The, Cleveland, Ohio
Schramm, Inc., Westchester, Pa.

MACHINES, Buffing and Polishing, Stationary

Baldor Electric Co., St. Louis, Mo.
Black & Decker Mfg. Co., Towson, Md.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Champion Blower & Forge Co., Lancaster, Pa.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Clark, James, Jr., Electric Co., Louisville, Ky.
Clizbe Bros. Mfg. Co., Plymouth, Ind.
Cutter Machine Co., St. Louis, Mo.
Delta Power Tool Division of Rockwell Mfg. Co., Milwaukee, Wis.
Divine Brothers Co., Utica, N. Y.
Duro Metal Products Co., Chicago, Ill.
Hammond Machinery Builders, Inc., Kalamazoo, Mich.
Independent Pneumatic Tool Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Robbins & Myers, Inc., Hoist & Crane Division, Springfield, Ohio
Stow Manufacturing Co., Inc., Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio
Valley Electric Corp., St. Louis, Mo.
Van Dorn Electric Tool Co., Towson, Md.
Walker-Turner Co., Inc., Plainfield, N. J.

MACHINES, Cleaning, for Metal Parts

Ajax Electric Co., Philadelphia, Pa.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Gray-Mills Corp., Evanston, Ill.
Ingersoll-Rand Co., New York, N. Y.
Mall Tool Co., Chicago, Ill.
Optimus Equip. Co., Matawan, N. J.
Stow Mfg. Co., Inc., Binghamton, N. Y.

MACHINES, Cutting, Flame

Air Reduction Sales Co., New York, N. Y.
Burdett Oxygen Co., Cleveland, Ohio
Eclipse Fuel Engineering Co., Rockford, Ill.
Gaso Equipment Co., Chicago, Ill.
General Welding & Equip. Co., Boston, Mass.

H. & M. Pipe Beveling Machine Co., Tulsa, Okla.
Hayes Track Appliance Co., Richmond, Ind.
Heath Engineering, Fort Collins, Colo.
Idaho Sprocket & Mach. Wks., Boise, Idaho
Indiana Oxygen Co., Indianapolis, Ind.
Industrial Air Prod. Co., Portland, Ore.
Industrial Oxygen Co., Louisville, Ky.
I. S. C. Flame Cutter Corp., New York, N. Y.
Krohn Mfg. & Supply Co., Centreville, Mich.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Metro Mfg. Co., Long Island City, N. Y.
National Cylinder Gas Co., Chicago, Ill.
Ohmstede Machine Works, Beaumont, Texas
Oxweld Railroad Service Co., The, Unit of Union Carbide and Carbon Corp., Chicago, Ill.
Ryerson, Jos. T. & Son, Chicago, Ill.
Vernon Tool Co., Ltd., Alhambra, Calif.
Weldit, Inc., Detroit, Mich.

MACHINES, Cutting, Pipe

Beaver Pipe Tools, Inc., Warren, Ohio
Campbell Machine Division, Am. Chain & Cable Co., Inc., Bridgeport, Conn.
Heath Engrg. Co., Ft. Collins, Colo.
Vernon Tool Co., Ltd., Alhambra, Cal.

MACHINES, Drilling, Bench

Atlas Press Co., Kalamazoo, Mich.
Black & Decker Mfg. Co., The, Towson, Md.
Boice-Crane Co., Toledo, Ohio
Canedy-Otto Mfg. Co., Chicago Heights, Ill.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Delta Power Tool Division of Rockwell Mfg. Co., Milwaukee, Wis.
Dumore Co., The, Racine, Wis.
Duro Metal Products Co., Chicago, Ill.
Famco Machine Co., Racine, Wis.
Hamilton Tool Co., The, Hamilton, Ohio
Independent Pneumatic Tool Co., Chicago, Ill.
Ryerson, Jos. T. & Son, Chicago, Ill.
Skilsaw, Inc., Chicago, Ill.
Standard Electrical Tool Co., The, Cincinnati, Ohio
Stanley Electrical Tools, Division The Stanley Works, New Britain, Conn.
Studebaker Machine Co., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., The, Towson, Md.
Walker-Turner Co., Inc., Plainfield, N. J.

MACHINES, Drilling—Breast, Chain and Hand

Bradford Machine Tool Co., The, Cincinnati, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Duro Metal Products Co., Chicago, Ill.
Skilsaw, Inc., Chicago, Ill.
Standard Electrical Tool Co., The, Cincinnati, Ohio
Stanley Tools, Division of The Stanley Works, New Britain, Conn.

MACHINES, Flanging

Barth Mfg. Co., The, Milldale, Conn.
Kling Bros. Engineering Works, Chicago, Ill.
McCabe Mfg. Co., Lawrence, Mass.
Niagara Mach. & Tool Works, Buffalo, N. Y.
Ryerson, Joseph T., & Son, Inc., Chicago, Ill.
Tube Turns, Inc., Louisville, Ky.
U. S. Steel Supply Co., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.

MACHINES, Flexible Shaft

Albertson & Co., Sioux City, Iowa
Bradford Machine Tool Co., The, Cincinnati, Ohio
Dumore Co., The, Racine, Wis.
Duro Metal Products Co., Chicago, Ill.
Elliott Manufacturing Co., Binghamton, N. Y.
Foredom Electric Co., New York, N. Y.
Haskins, R. G., Co., Chicago, Ill.
Ideal Industries, Inc., Sycamore, Ill.
Jarvis, Chas. L., Co., Middletown, Conn.
Mall Tool Co., Chicago, Ill.
Master Vibrator Co., Dayton, Ohio
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Pratt & Whitney, Div., Niles-Bement-Pond Co., West Hartford, Conn.
Stanley Electric Tools, Division The Stanley Works, New Britain, Conn.
Stow Manufacturing Co., Inc., Binghamton, N. Y.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Swartz & White Mfg. Co., Binghamton Flexible Shaft Division, Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio
Walker-Turner Co., Inc., Plainfield, N. J.
Wyzenbeek & Staff, Inc., Chicago, Ill.

MACHINES, Hack Saw

Armstrong-Blum Mfg. Co., Chicago, Ill.
Johnson Mfg. Co., New York, N. Y.
Mid-States Welder Mfg. Co., Chicago, Ill.
Peerless Machine Co., Racine, Wis.
Racine Tool & Machine Co., Racine, Wis.
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Sales Service Machine Tool Co., St. Paul, Minn.
Syntron Co., Homer City, Pa.
U. S. Steel Supply Co., Chicago, Ill.
Wells Manufacturing Corp., Three Rivers, Mich.
Wyzenbeek & Staff, Inc., Chicago, Ill.

MACHINES, Nibbling

Campbell, Andrew C., Division of American Chain & Cable Co., Inc., Bridgeport, Conn.

MACHINES, Sandblast

American Wheelabrator & Equipment Crvp., Mishawaka, Ind.
Chicago Eye Shield Co., Chicago, Ill.
Goodyear Tire & Rubber Co., Inc., The, Akron, Ohio
MacLeod Co., The, Cincinnati, Ohio
Metallizing Co. of America, Inc., Chicago, Ill.
Mine Safety Appliances Co., Pittsburgh, Pa.
Norton Co., Worcester, Mass.
Pangborn Corp., Hagerstown, Md.
Raybestos-Manhattan, Inc., Passaic, N. J.
Ruemelin Mfg. Co., Milwaukee, Wis.
Stoody Co., Whittier, Calif.
Wilison Products, Inc., Reading, Pa.

MACHINES—Shears, Metal Cutting

Barth Mfg. Co., The, Milldale, Conn.
Black & Decker Mfg. Co., The, Towson, Md.
Brown & Sharpe Mfg. Co., Providence, R. I.
C-B Tool Co., Lancaster, Pa.
Campbell Machine Div., American Chain & Cable Co., West Bridgeport, Conn.
Clark, Robert H., Co., Los Angeles, Calif.
Cleveland Crane & Engineering Co., Wickliffe, Ohio.
Famco Machine Co., Racine, Wis.
Independent Pneumatic Tool Co., Chicago, Ill.
Jefferson Engineering & Mfg. Co., Detroit, Mich.
Kling Bros. Engineering Works, Chicago, Ill.
Kno-Vise, Inc., Detroit, Mich.
National Machine Tool Co., Racine, Wis.
Niagara Machine & Tool Works, Buffalo, N. Y.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Parker Manufacturing Co., Santa Monica, Calif.
Ryerson, Jos. T. & Son, Inc., Chicago, Ill.
Shobar Sales Inc., Stockton, Cal.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tools, Div. of the Stanley Works, New Britain, Conn.
Studebaker Machine Co., Chicago, Ill.
Thomas Machine Mfg. Co., Pittsburgh, Pa.
U. S. Steel Supply Co., Chicago, Ill.
Webb Corp., The, Webb City, Mo.
Whiting Corp., Harvey, Ill.
Whitney, W. A., Mfg. Co., Rockford, Ill.

MACHINES, Welding, Gas

American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Harnischfeger Corp., Milwaukee, Wis.
Industrial Air Prod. Co., Portland, Ore.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Peck, Cecil, Co., Cleveland, Ohio.
Sight Feed Generator Co., West Alexandria, Ohio

MAGNESIUM—Sheets, Plates, Bars, Etc.

American Magnesium Corp., Pittsburgh, Pa.
Belmont Smelting Refining Works, Inc., Brooklyn, N. Y.
Dow Chemical Co., The, Midland, Mich.
Revere Copper & Brass, Inc., New York, N. Y.
White Metal Rolling & Stamping Corp., Brooklyn, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

MAGNETIC GROUNDS

Magnetrode Corp., Kansas City, Mo.
Scott Mfg. Co., Kansas City, Mo.
Williams & Co., Inc., Pittsburgh, Pa.

MAGNIFIERS, Inspection

Boyer-Campbell Co., Detroit, Mich.
Brush Development Co., The, Cleveland, Ohio
Flood Safety Products Co., Chicago, Ill.
General Scientific Equipment Co., Philadelphia, Pa.
RCA Engineering Products Dept., Camden, N. J.
Stanley Electric Tools, Div. of The Stanley Works, New Britain, Conn.

MALLETS, Rubber and Composition Head

Bonney Forge & Tool Works, Allentown, Pa.
Chicago Rawhide Mfg. Co., Chicago, Ill.
Goodrich, B. F., Co., The, Akron, Ohio.
Goodyear Tire & Rubber Co., Inc., The, Akron, Ohio.
Greene, Tweed & Co., New York, N. Y.
Homer Rubber Co., Trenton, N. J.
Quaker Rubber Corp., Philadelphia, Pa.
Quality Tools Corp., New Wilmington, Pa.
Link, O. P., Handle Co., Salem, Ind.
Republic Rubber Division, Lee Rubber & Tire Corp., Youngstown, Ohio.
Stanley Tools, Div. of the Stanley Works, New Britain, Conn.
United States Rubber Co., New York, N. Y.

MANIFOLDS, Oxygen and Acetylene

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.

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Burdett Oxygen Co., Cleveland, Ohio.
Commercial Gas Corp., Wilkes-Barre, Pa.
Craftsweld Equip. Corp., Long Island City, N. Y.
Independent Engineering Co., O'Fallon, Ill.
K-G Welding & Cutting Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Steele Gases, Inc., Chicago, Ill.
Stoody Co., Whittier, Calif.
Superior Valve & Fittings Co., Pittsburgh, Pa.
Thompson Engineering Co., The, Grand Rapids, Mich.
Victor Equip. Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

MARKERS, Contour

Contour Marker Corp., Compton, Calif.
Marxal Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

MASKS, Oxygen

American Gas & Chemical Corp., Harrison, N. J.
Davis, Emergency Equipment Co., Inc., Newark, N. J.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Mine Safety Appliances Co., Pittsburgh, Pa.
Nageldinger, J., & Son, Inc., New York, N. Y.
Puritan Compressed Gas Corp., Kansas City, Mo.
Varkell, Paul, Co., New York, N. Y.

MASKS, Paint Spray

American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., The, Detroit, Mich.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equipment Co., Inc., Newark, N. J.
DeVilbiss Co., The, Toledo, Ohio.
Dockson Corp., Detroit, Mich.
Fibre-Metal Prod. Co., The, Chester, Pa.
General Detroit Corp., The, Detroit, Mich.
General Scientific Equipment Co., Philadelphia, Pa.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Products Co., Cleveland, Ohio.
Mine Safety Appliances Co., Pittsburgh, Pa.
Paasche Airbrush Co., Chicago, Ill.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Sciaky Bros., Inc., Chicago, Ill.
Standard Safety Equipment Co., Chicago, Ill.
Willson Products, Inc., Reading, Pa.

MASKS, Sand Blast

American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Chicago Eye Shield Co., Chicago, Ill.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
Fibre-Metal Products Co., The, Chester, Pa.
General Detroit Corp., The, Detroit, Mich.
General Scientific Equipment Co., Philadelphia, Pa.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Products Co., Cleveland, Ohio.
Matthews, Jas. H., & Co., Pittsburgh, Pa.
Mine Safety Appliances Co., Pittsburgh, Pa.
Paasche Airbrush Co., Chicago, Ill.
Pangborn Corp., Hagerstown, Md.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Sciaky Bros., Inc., Chicago, Ill.
Standard Safety Equipment Co., Chicago, Ill.
Vacu-Blast Co., Inc., San Mateo, Calif.
Willson Products, Inc., Reading, Pa.

MEASURING TAPES

(See: "Tapes, Measuring")

METAL, Babbitt

Alpha Metals, Inc., Brooklyn, N. Y.
Bond, Charles, Co., Philadelphia, Pa.
Bunting Brass & Bronze Co., The, Toledo, Ohio.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Dodge Manufacturing Corp., Mishawaka, Ind.
Eagle-Picher Co., The, Cincinnati, Ohio.
Flux-All Chemical Products, New York, N. Y.
Gardiner Metal Co., Chicago, Ill.
Johnson Bronze Co., New Castle, Pa.
McKay Co., The, York, Pa.
Magnolia Metal Co., Elizabeth, N. J.
Randall Graphite Bearings, Inc., Lima, Ohio.
Ryerson, Joseph T., & Son, Inc., Chicago, Ill.
Shook Bronze Corp., Lima, Ohio.
Teuscher Pulley & Belting Co., St. Louis, Mo.

METAL-SPRAYING EQUIPMENT

Metallizing Co. of America, Inc., Chicago, Ill.
Metallizing Engineering Co., Inc., Long Island City, N. Y.
Metalspray Co., Inc., Los Angeles, Calif.
Paasche Airbrush Co., Chicago, Ill.
Powder Weld Process Co., The, Brooklyn, N. Y.
Wall Colmonoy Corp., Detroit, Mich.

MONEL (Standard Mill Forms)

International Nickel Co., Inc., New York, N. Y.
Steel Sales Corp., Chicago, Ill.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

NICKEL (Standard Mill Forms)

Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Hoskins Mfg. Co., Detroit, Mich.
International Nickel Co., Inc., New York, N. Y.
Steel Sales Corp., Chicago, Ill.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

NOTCHING UNIT, Pipe and Tubing

Blum, Julius, & Co., Inc., New York, N. Y.
Douglass Pipe Mach. Co., Monrovia, Calif.
H & M Pipe Beveling Machine Co., Tulsa, Okla.
Heath Engineering Co., Ft. Collins, Colo.
Vogel Tool & Die Corp., Chicago, Ill.

NOZZLES, Torch

(See: "Tips, Cutting, Flame," "Tips, Welding Gas")

NOZZLES, Sand Blast

American Wheelabrator & Equipment Corp., Mishawaka, Ind.
MacLeod Co., The, Cincinnati, Ohio.
Norton Co., Worcester, Mass.
Paasche Airbrush Co., Chicago, Ill.
Pangborn Corp., Hagerstown, Md.
Stoody Co., Whittier, Calif.
Victor Equipment Co., San Francisco, Calif.

NOZZLES, Paint Spray

Allen, W. D., Mfg. Co., Chicago, Ill.
Boston Woven Hose & Rubber Co., Cambridge, Mass.
Buffalo Forge Co., Buffalo, N. Y.
DeVilbiss Co., The, Toledo, Ohio.
Elkhart Brass Mfg. Co., Elkhart, Ind.
Paasche Airbrush Co., Chicago, Ill.
Schrader's, A., Son, Division of Scovill Manufacturing Co., Inc., Brooklyn, N. Y.
Sherman, H. B., Mfg. Co., Battle Creek, Mich.
Worthington Pump & Machinery Corp., Harrison, N. J.

OVENS, Electrode Drying

Aufhauser Bros. Co., New York, N. Y.
Despatch Oven Co., Minneapolis, Minn.
Gas Appliance Service, Inc., Chicago, Ill.
Mosio Machinery Co., Cleveland, Ohio.
Paasche Airbrush Co., Chicago, Ill.
Ross, J. O., Engineering Co., New York, N. Y.
Steiner-Ives Co., Newark, N. J.
Young Bros. Co., Cleveland, Ohio

OVERALLS, Asbestos

Aljay Mfg. Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Janos Asbestos Co., New York, N. Y.
Johns-Manville, New York, N. Y.
Keasbey & Mattison Co., Ambler, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Rio, Wisc.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.

OVERALLS, Fire Resistant Duck

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.

OVERALLS, Leather

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago Ill.

Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Midland Paint & Varnish Co., Cleveland, Ohio.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wisc.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Tillman & Co., John, Long Beach, Calif.
Wheeler Protective Apparel, Inc., Chicago, Ill.

OXIDE—Removing Compounds
(See: "Cleaners, Metal")

OXYGEN, Compressed

A. A. Welding Supply Co., Chicago, Ill.
Acetylene Co. of Utah, Salt Lake City, Utah.
Acetylene Gas Co., St. Louis, Mo.
Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Compressed Gas Products, Inc., Ft. Wayne, Ind.
American Gas & Chemical Co., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Atlas Acetylene Co., Kearny, N. J.
Balbach Co., The, Omaha, Nebr.
Bird Gas Corp., Detroit, Mich.
Burdett Oxygen Co., Cleveland, Ohio.
Buckeye Oxygen Co., Canton, Ohio.
Commercial Gas Corp., Wilkes-Barre, Pa.
Corpus Christi Oxygen Co., Corpus Christi, Tex.
Denver Oxygen Co., Inc., The, Denver, Colo.
Harnischfeger Corp., Milwaukee, Wis.
Hollup Corp., Chicago, Ill.
Houston Oxygen Co., Houston, Tex.
Imperial Brass Mfg. Co., Chicago, Ill.
Independent Engineering Co., Inc., O'Fallon, Ill.
Indiana Oxygen Co., Indianapolis, Ind.
Industrial Air Products Co., Portland, Ore.
Industrial Products Co., Philadelphia, Pa.
Jackson Products, Warren, Mich.
Joy Mfg. Co., Pittsburgh, Pa.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Kansas Oxygen Div., Krause Plow Corp., Hutchinson, Kan.
Kimball Safety Prod. Co., Cleveland, Ohio.
Lincoln Electric Co., Cleveland, Ohio.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Maine Industrial Gas Co., Lewiston, Me.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McDonald Co., B. F., Los Angeles, Calif.
Meco Welding Supply Co., Chicago, Ill.
Metal Bond Mfg. Co., St. Louis, Mo.
Metal & Thermit Corp., New York, N. Y.
Metro Mfg. Co., Long Island City, N. Y.
Mine Safety Appliances Co., Pittsburgh, Pa.
Mitchell Supply Co., Minneapolis, Minn.
National Cylinder Gas Co., Chicago, Ill.
National Welders Supply Co., Charlotte, N. C.
New England Gas Products, Inc., Charlestown, Mass.
Oklahoma Oxygen Co., Tulsa, Okla.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Pacific Acetylene Co., San Diego, Calif.
Pacific Oxygen Co., Oakland, Calif.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Selistrom Mfg. Co., Chicago, Ill.
Sierra Oxygen Co., Reno, Nevada
Smith Corp., A. O., Milwaukee, Wis.
Southern Oxygen Co., Inc., Washington, D. C.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Safety Equipment Co., Chicago, Ill.
Steele Gases, Inc., Chicago, Ill.
Superior Industrial Gas Corp., Astoria, N. Y.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio.
Trindl Products, Ltd., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Valley Oxygen Co., Bay City, Mich.
Welding Gas Products Co., Chattanooga, Tenn.
Welding Materials, Inc., Lemoyne, Pa.
West Texas Oxygen Co., Lubbock, Tex.
Whitmore Oxygen Co., Salt Lake City, Utah.
Wolverine Gas Products, Inc., Saginaw, Mich.

OXYGEN GAUGES
(See: "Gauges, Oxygen and Acetylene")

OXYGEN MASKS
(See: "Masks, Oxygen")

PANTS, Asbestos

Aljay Manufacturing Co., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Johns-Manville, New York, N. Y.
Kassbey & Mattison, Ambler, Pa.
McDonald, B. F., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wisc.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

PANTS, Fire Resistant Duck

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Daniels, C. R., Inc., Daniels, Md.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

PANTS, Leather

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Arc Welding Supply Co., Bronx, N. Y.
Boyer-Campbell Co., Detroit, Mich.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Co., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Tillman & Co., John, Long Beach, Calif.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

PELLETS, Temperature Recording
(See: "Temperature Indicating Pellets")

PIPE and TUBING NOTCHING UNIT
(See: "Notching Units, Pipe and Tubing")

PIPE BENDING MACHINES
(See: "Machines, Bending, Pipe")

PIPE FITTINGS
(See: "Fittings, Pipe")

PIPE WELDING CLAMPS
(See: "Clamps, Aligning")

PIPING, Blow, Exhaust and Ventilating

Midwest Piping & Supply Co., Inc., St. Louis, Mo.
Naylor Pipe Co., Chicago, Ill.
Paasche Airbrush Co., Chicago, Ill.
Revere Copper & Brass, Inc., New York, N. Y.
Sprout, Waldron & Co., Inc., Muncy, Pa.
Taylor Forge & Pipe Works, Chicago, Ill.

PLATES, Steel
(See: "Steel, Sheets, Plates, Bars, and Structural Shapes, Etc.")

PLIERS

Atlas Welding Accessories Co., Ferndale, Mich.
Basford, H. R., Co., San Francisco, Calif.
Billings & Spencer Co., The, Hartford, Conn.
Bonney Forge & Tool Works, Allentown, Pa.
Bridgeport Hardware Mfg. Co., The, Bridgeport, Conn.
Champion DeArment Tool Co., Meadville, Pa.
Crescent Tool Co., Jamestown, N. Y.
Duro Metal Products Co., Chicago, Ill.
Klein, Mathias, & Sons, Chicago, Ill.
Krasuter & Co., Inc., Newark, N. J.
New Britain Machine Co., New Britain, Conn.
Owatonna Tool Co., Owatonna, Minn.
Park Metalware Co., Inc., Orchard Park, N. Y.
Peck, Stow & Wilcox Co., Southington, Conn.
Plomb Tool Co., Los Angeles, Calif.
Quality Tools Corp., New Wilmington, Pa.
Smith, Seymour & Son, Inc., Oakville, Conn.
Stevens Walden, Inc., Worcester, Mass.
Utica Drop Forge & Tool Corp., Utica, N. Y.
Vichek Tool Co., The, Cleveland, Ohio.
Williams, J. H., & Co., Buffalo, N. Y.

PLIERS, Toggle-Action

Atlas Welding Accessories Co., Ferndale, Mich.
Detroit Stamping Co., Detroit, Mich.
Lapeer Mfg. Co., Lapeer, Mich.
Owatonna Tool Co., Owatonna, Minn.
Plomb Tool Co., Los Angeles, Calif.
Seymour Smith & Son, Inc., Oakville, Conn.

PLIERS, Vise

Basford Co., H. R., San Francisco, Calif.

PLOW SHARE RECLAIMING UNITS

Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Morton Mfg. Co., Muskegon Heights, Mich.
Mott Products Co., Jackson, Mich.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Osmundson Spade Mfg. Co., Perry, Iowa
Victor Equipment Co., San Francisco, Calif.
Wiese Plow Welding Co., Perry, Iowa.

PLUGS and RECEPTACLES

Albert & J. M. Anderson Mfg. Co., South Boston, Mass.
Appleton Electric Co., Chicago, Ill.
Clinch Mfg. Corp., Chicago, Ill.
Cutler-Hammer, Inc., Milwaukee, Wis.
Industrial Products Co., Philadelphia, Pa.
Jones, Howard B., Div. Cinch Mfg. Corp., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Pyle-National Co., Chicago, Ill.
Stevens, C. H., & Co., Cornwall Bridge, Conn.
Trindl Products, Ltd., Chicago, Ill.
Westinghouse Electric Corp., Pittsburgh, Pa.

POLISHERS

Aro Equipment Corp., Bryan, Ohio
Aronson Machine Co., Arcade, N. Y.
Black & Decker Mfg. Co., The, Towson, Md.
Buehler, Ltd., Chicago, Ill.
Chicago Pneumatic Tool Co., New York, N. Y.
Clube Bros. Mfg. Co., Plymouth, Ind.
Crafex Mfg. Co., San Francisco, Calif.
Cutter Machine Co. (Belt Driven), St. Louis, Mo.
Divine Brothers Co., Utica, N. Y.
Elliott Mfg. Co., Binghamton, N. Y.
Hisey Wolf Machine Co., The, Cincinnati, Ohio.
Independent Pneumatic Tool Co., Aurora, Ill.
Mall Tool Co., Chicago, Ill.
Miller Falls Co., Greenfield, Mass.
NuSteel Co., Chicago, Ill.
Overly, Chas. F., Co., Cleveland, Ohio.
Porter-Cable Machine Co., Syracuse, N. Y.
Rotor Tool Co., Cleveland, Ohio.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tool Div., New Britain, Conn.
Stow Manufacturing Co., Binghamton, N. Y.
Syntron Co., Homer City, Pa.
United States Electrical Tool Co., The, Cincinnati, Ohio.
Van Dorn Electric Tool Co., The, Towson, Md.

PORTABLE WELDING SHOPS

A. C. Devices & Products, Chicago, Ill.
Cause Mfg. Co., Inc., Newark, N. J.
Hobard & Co., W. F., Chicago, Ill.
Hobart Bros. Co., Troy, Ohio.
National Cylinder Gas Co., Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Willys-Overland Motors, Inc., Toledo, Ohio.

POSITIONERS, Welding

Acme Mfg. Co., Detroit, Mich.
Aronson Machine Co., Arcade, N. Y.
Bentley Welders, Inc., Syracuse, N. Y.
Bryant Products Distributing Co., Jackson, Mich.
Bunell Machine & Tool Co., Cleveland, O.
Cullen-Friestedt Co., Chicago, Ill.
Drennan, Inc., Lee J., Arcade, N. Y.

(Continued on page 62)

Aronson MACHINE COMPANY
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HARNISCHFEGER CORPORATION

POSITIONERS, Welding

(Continued from page 61)

duMont Corp., The, Greenfield, Mass.
Garfield Engineering Corp., Kansas City, Mo.
General Welding Co., The, Cleveland, Ohio.
Gouran, Mark F., Philadelphia, Pa.
Harnischfeger Corp., Milwaukee, Wis.
Johnson Machine Works, Eau Claire, Wis.
Lukens Steel Co., Coatesville, Pa.
Lyon-Raymond Corp., Greene, N. Y.
McFerron-Myers Prod. Co., Cleveland, Ohio.
Oxweld Railroad Service Co., Chicago, Ill.
Pandjires Weldment Co., St. Louis, Mo.
Peck, Cecil C., Co., Cleveland, Ohio.
Ragle, J. M., Industries, Kansas City, Mo.
Ransome Div., Worthington Pump & Machine Corp., Dunnellen, N. J.
Reed Engineering Co., Carthage, Mo.
Roylyn, Inc., Glendale, Calif.
Schrader, F. W., Co., Culver City, Calif.
Scientific Research Co., Portland, Ore.
Victor Equipment Co., San Francisco, Calif.
Victory Engineering & Machine Works, Inc., St. Louis, Mo.
Welding Machines Mfg. Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Will-Burt Co., Orrville, Ohio
Worthington Pump & Machinery Corp., Harrison, N. J.

POTASSIUM SILICATE

du Pont de Nemours & Co., Inc., E. I., Grasselli Chemicals Dept., Wilmington, Del.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Philadelphia Quartz Co., Philadelphia, Pa.

POTS—Annealing, Case Hardening, Etc.

Eclipse Fuel Engineering Co., Rockford, Ill.
General Electric Co., Schenectady, N. Y.
Holden, A. F., Co., The, New Haven, Conn.
Hollands Mfg. Co., Erie, Pa.
Hoskins Mfg. Co., Detroit, Mich.
Johnson Gas Appliance Co., Cedar Rapids, Iowa.
Lukens Steel Co., Coatesville, Pa.
R. S. Products Corp., Philadelphia, Pa.
Sunbeam Stewart Industrial Furnace, Division Sunbeam Corp., Chicago, Ill.
Surface Combustion Corp., Toledo, Ohio

POTS, Fire, Solder Iron—Gasoline, Kerosene, Gas

Aeroil Products Co., Inc., So. Hackensack, N. J.
Clayton & Lambert Mfg. Co., Louisville, Ky.
Diener, Geo. W., Mfg. Co., Chicago, Ill.
Eclipse Fuel Engineering Co., Rockford, Ill.
Falcon Equipment Co., New Brighton, Pa.
Hollands Mfg. Co., Erie, Pa.
Insto-Gas Corp., Detroit, Mich. (Also Bottled Gas.)
Johnson Gas Appliance Co., Cedar Rapids, Iowa.
Lukens Steel Co., Coatesville, Pa.
Purity Cylinder Gases, Inc., Grand Rapids, Mich.
Syracuse Alloy Metals Corp., Syracuse, N. Y.
Turner Brass Works, The, Sycamore, Ill.
Unique Mfg. Co., Inc., Chicago, Ill.
Vulcan Electric Co., Danvers, Mass.

POTS and KETTLES, Metal Melting

Aeroil Products Co., Inc., So. Hackensack, N. J.
American Car & Foundry Co., New York, N. Y.
Bernz, Otto, Co., Inc., Rochester, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Clayton & Lambert Mfg. Co., Louisville, Ky.
Eclipse Fuel Engineering Co., Rockford, Ill.
Falcon Equipment Co., New Brighton, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equip. Co., Philadelphia, Pa.
Hollands Mfg. Co., Erie, Pa.
Hoskins Mfg. Co., Detroit, Mich.
Johnson Gas Appliance Co., Cedar Rapids, Iowa.
Lukens Steel Co., Coatsville, Pa.
Purity Cylinder Gases Inc., Grand Rapids, Mich.
R. S. Products Corp., Philadelphia, Pa.
Russell Electric Co., Chicago, Ill. (Electric.)
Sunbeam Stewart Industrial Furnace Division, Sunbeam Corp., Chicago, Ill.
Syracuse Alloy Metals Corp., Syracuse, N. Y.

POWER HACK SAW

(See: "Machine, Hack Saw")

POWDER CUTTING TORCHES

(See: "Torches, Powder Cutting")

POWDER, Flame-Cutting

(See: "Fluxes, Flame-Cutting")

POWDER-WELDING ALLOYS

(See: "Alloys, Powder Welding")

PREHEATING, Annealing, Stress-Relieving Coils

(See: "Coils, Preheating, Etc.")

PREHEATING COILS

(See: "Coils, Preheating, Annealing and Stress-Relieving")

PREHEATING TORCHES

(See: "Torches, Preheating")

PRESS BRAKES

(See: "Brakes, Bending")

PRESSURE WELDERS OXY-ACETYLENE

(See: "Welders, Pressure, Oxy-Acetylene")

PROJECTION WELDERS

(See: "Welders, Projection")

PREHEATING EQUIPMENT, Portable, Electric

Eclipse Fuel Engineering Co., Rockford, Ill.
Falcon Equipment Co., New Brighton, Pa.
Precision Welder Mfg. Co., Chicago, Ill.
Purity Cylinder Gases, Inc., Grand Rapids, Mich.

PULLERS

Blackhawk Manufacturing Co., Milwaukee, Wis.
Bonney Forge & Tool Works, Allentown, Pa.
Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
Imperial Brass Mfg. Co., The, Chicago, Ill.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Owatonna Tool Co., Owatonna, Minn.
Plomb Tool Co., Los Angeles, Calif.
Templeton, Kenly & Co., Chicago, Ill.
Utica Drop Forge & Tool Corp., Utica, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Whiting Corp., Harvey, Ill.
Williams, J. H., & Co., Buffalo, N. Y.

PUNCH and SHEARS COMBINED

Blum, Julius, & Co., Inc., New York, N. Y.
Carboloy Co., Inc., Detroit, Mich.
Kling Bros. Engineering Works, Chicago, Ill.
National Machine Tool Co., Racine, Wis.
Peck, Stow & Wilcox Co., Southington, Conn.
Progressive Welder Co., Detroit, Mich.
Ryerson, J. T., & Son, Inc., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.
Webb Corp., The, Webb City, Mo.

PUNCHES, Hand

American Swiss File & Tool Co., Elizabeth, N. J.
Blum, Julius, & Co., Inc., New York, N. Y.
Bonney Forge & Tool Works, Allentown, Pa.
Buffalo Forge Co., Buffalo, N. Y.
C-B Tool Co., Lancaster, Pa.
Cincinnati Tool Co., The, Cincinnati, Ohio.
Crescent Tool Co., Jamestown, N. Y.
Lapeer Mfg. Co., Detroit, Mich.
Kraeuter & Co., Inc., Newark, N. J.
Mayhew Steel Products, Inc., Shelburne Falls, Mass.
National Machine Tool Co., Racine, Wis.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Owatonna Tool Co., Owatonna, Minn.
Oxford Tool Corp., Philadelphia, Pa.
Parker-Kalon Corp., New York, N. Y.
Peck, Stow & Wilcox Co., Southington, Pa.
Plomb Tool Co., Los Angeles, Calif.
Quality Tools Corp., New Wilmington, Pa.
Ryerson, J. T., & Son, Inc., Chicago, Ill.
Stanley Tools Div. of the Stanley Works, New Britain, Conn.
U. S. Steel Supply Co., Chicago, Ill.
Whitney, W. A., Mfg. Co., Rockford, Ill.
Williams, J. H., & Co., Buffalo, N. Y.

PYROMETERS

Bristol Co., The, Waterbury, Conn.
Gordon, Claud S., Co., Chicago, Ill.
Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
Richards, Arklay S., Co., Inc., Newton Highlands, Mass.

RADIUM INSPECTION

(See also: "Inspection Equipment, Radium")

Bar-Ray Products, Inc., Brooklyn, N. Y.
Canadian Radium & Uranium Corp., New York, N. Y.
Kelley-Koett Mfg. Co., The, Covington, Ky.
Radium Chemical Co., Inc., New York, N. Y.
St. John X-Ray Laboratories, Califon, N. J.

RAILING MATERIALS

Blum, Julius & Co., Inc., New York, N. Y.
Braun, J. G., Co., Chicago, Ill.
Stewart Iron Works Co., Inc., Cincinnati, Ohio.

RECEIVERS, Air

Curtis Pneumatic Machinery, Div. of Curtis Mfg. Co., St. Louis, Mo.
Ingersoll-Rand Co., New York, N. Y.
Joy Mfg. Co., Pittsburgh, Pa.
Pressed Steel Tank Co., Milwaukee, Wis.
Riverside Iron Works Ltd., Calgary, Canada
Schramm, Inc., West Chester, Pa.
Worthington Pump & Machinery Corp., Harrison, N. J.

RECORDING INSTRUMENTS

(See: "Weld-Time Recorders")

RECOVERY EQUIPMENT, Flux

(See: "Flux Recovery Equipment)

REFRACTORIES

(See also: "Cement, Fire Brick," "Cement High Temperature," "Cement, Refractory," Etc.; "Brick, Fire," Etc.; "Fire Clay," "Guns, Refractory Application," Etc.)

Armstrong Cork Co., Building Materials Div., Lancaster, Pa.
Bay State Abrasive Products Co., Westboro, Mass.
Carborundum Co., The, Niagara Falls, N. Y.
Carey, Philip, Mfg. Co., The, Cincinnati, Ohio.
Cleveland Quarries Co., Cleveland, Ohio.
Dixon, Joseph, Crucible Co., Jersey City, N. J.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Johns-Manville, New York, N. Y.
Keasbey & Mattison Co., Ambler, Pa.
Laclede-Christy Co., St. Louis, Mo.
Massillon Refractories Co., The, Massillon, Ohio
Mexico Refractories Co., Mexico, Mo.
National Carbon Div., Union Carbide & Carbon Corp., New York, N. Y.
North American Refractories Co., Cleveland, Ohio.
Norton Co., Worcester, Mass.
Quigley Co., Inc., New York, N. Y.
Titanium Alloy Mfg. Co., Div. National Lead Co., New York, N. Y.

REFRIGERATION UNITS (RESISTANCE WELDER)

Acro Welder Mfg. Co., Inc., Milwaukee, Wis.
Airtemp Div., Chrysler Corp., Dayton, Ohio.
Detroit Electronic Products Co., Detroit, Mich.
Expert Welding Machine Co., Detroit, Mich.
Frostrode Products, Detroit, Mich.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., Warren, Ohio.
Temprite Products Corp., Detroit, Mich.
Thomson Electric Welder Co., Lynn, Mass.
Universal Welder Corp., Cleveland, Ohio.

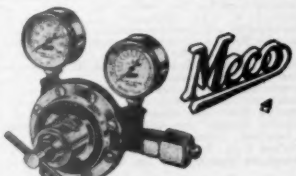
REGALVANIZING COATINGS

(See: "Galvanizing Compounds")

REGULATORS, Oxygen and Acetylene

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.

(Continued on page 64)



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REGULATORS

For safer, and more efficient operation—at no added cost. Write for MECO Catalog No. 140.

MODERN ENGINEERING CO., Inc.
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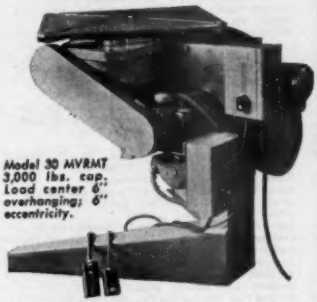
now...ALL awkward position welding made easy with

WELDMORE
The POSITIONER
with Production in Mind



Model 30 MVRMT 3,000 lbs. cap. Load center 6" overhanging; 6" eccentricity.

Check These Advantages—

- All gearing precision machine cut for minimum back lash. Smooth operation both on rotating and tilting. Impact loading minimized for safety.
- Variable power table rotation—with variable table elevation changes.
- Push button hand control; 135° table tilt with safety limit stops.
- All steel construction.

Send for complete specifications on this and other models, having capacities of 7,500; 18,000; and 23,000 lbs.

PANDJIRIS WELDMENT CO.
5151 NORTHRUP—ST. LOUIS 10, MO.

WELDING GANTRIES—WALL TRACK PLANOGRAPH WELD ARMS—TURNING ROLLS—TANK JIGS—TUBE BENDERS—HYDRAULIC COIL MANDRELS—SPECIAL POWER WELD TOOLS

Here's Efficient Welding ..... On C-F Positioners

When heavy, unwieldy weldments like these diesel crank cases can be quickly swung into any position so that every weld is made downhand—that's efficient welding!

Welders spend more time welding—do better welding at lower cost when they work with C-F Positioners because these hand and/or power operated machines reduce positioning time to a minimum. Investigate the cost-saving advantages of C-F Positioners. They pay their way in any company.

Write for Bulletin WP24—an illustrated circular detailing the Specific advantages of C-F Positioners.

Cullen-Friestedt Co., 1309 S. Kilbourn Ave.

CULLEN-FRIESTEDT CO., CHICAGO 23, ILL.

C-F positioned welds mean better, more economical welds

VICTOR REGULATORS

. . . give you accurate, safe control of practically all compressed gases, including corrosive types, over a wide range of inlet and delivery pressures. Made for use on cylinders, manifolds, and pipelines to handle pressures to 5000 p.s.i. and above.

VICTOR EQUIPMENT CO.

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REGULATORS, Oxygen and Acetylene

(Continued from page 63)

Bastian-Blessing Co., The, Chicago, Ill.
Black Mfg. Co., The, Baltimore, Md.
Burdett Oxygen Co., Cleveland, Ohio.
Chek-Shock Mfg., Fowler, Calif.
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Electric Auto-Lite Co., Inc., New York, N. Y.
Goss Gas, Inc., Pittsburgh, Pa.
Hannifin Corp., Chicago, Ill.
Harris Calorific Co., The, Cleveland, Ohio.
Hoke, Inc., Englewood, N. J.
Imperial Brass Mfg. Co., The, Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
K-G Welding & Cutting Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Metro Mfg. Co., Long Island City, N. Y.
Milburn, Inc., Alexander, Baltimore, Md.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., St. Louis, Mo.
Nageldinger, J., & Son, Inc., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxo Welding Equipment Co., Chicago, Ill.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Paasche Airbrush Co., Chicago, Ill.
Sight Feed Generator Co., The, West Alexandria, Ohio.
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Machine Co., Hamilton, Ohio.
Thompson Engineering Co., The, Grand Rapids, Mich.
Victor Equipment Co., San Francisco, Calif.
Welders Supply & Mfg. Co., Cincinnati, Ohio.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

Dockson **Regulators**

Built for Better Service

Proved right—Priced right.
For Oxygen, Acetylene, Fuel Gases, Air, Fluids, CO_2.

DOCKSON CORPORATION
3837 Wabash Detroit 8, Mich.

REGULATORS, Pressure, Air

American Oxygen Service Corp., Harrison, N. J.
American Schaeffer & Budenberg Instrument Div., Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
Aro Equipment Corp., The, Bryan, Ohio.
Atlas Valve Co., Newark, N. J.
Automatic Temperature Control Co., Inc., Philadelphia, Pa.
Bastian-Blessing Co., The, Chicago, Ill.
Binks Manufacturing Co., Chicago, Ill.
Black Manufacturing Co., Baltimore, Md.
Bristol Co., The, Waterbury, Conn.
Brown, W. R., Corp., Chicago, Ill.
Cash, A. W., Valve Mfg. Corp., Decatur, Ill.
Craftsweld Equip. Corp., Long Island City, N. Y.
Cutler-Hammer, Inc., Milwaukee, Wis.
Davis Regulator Co., Chicago, Ill.
DeVilbiss Co., The, Toledo, Ohio.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Farris Engineering Co., Palisades Park, N. J.
Goss Gas, Inc., Pittsburgh, Pa.
Hannifin Corp., Chicago, Ill.
Hoke, Inc., Englewood, N. J.
Imperial Brass Manufacturing Co., The, Chicago, Ill.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Kieley & Mulier, Inc., North Bergen, N. J.
Leslie Co., Lyndhurst, N. J.
M-B Products, Detroit, Mich.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mason-Neilan Regulator Co., Boston, Mass.
Meco Welding Supply Co., Chicago, Ill.
Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
Mueller Co., Decatur, Ill.
Nageldinger & Son, Inc., J., New York, N. Y.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Norgren Co., C. A., Denver, Colo.
Oxo Welding Equip. Co., Chicago, Ill.
Paasche Airbrush Co., Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Reading-Pratt & Cady Division of American Chain & Cable Co., Inc., Reading, Pa.
Schrader's A., Son, Division of Scovill Mfg. Co., Inc., Brooklyn, N. Y.
Sight Feed Generator Co., West Alexandria, Ohio.
Smith Welding Equipment Corp., Minneapolis, Minn.
Stewart-Warner Corp., Alemite Div., Chicago, Ill.
Studebaker Machine Co., Maywood, Ill.
Superior Oxy-Acetylene Machine Co., The, Hamilton, Ohio.
Swartwout Co., The, Cleveland, Ohio.
Taylor Instrument Companies, Rochester, N. Y.
Victor Equipment Co., San Francisco, Calif.
Weltronic Co., Detroit, Mich.

RELAYS, General Purpose

Arrow, Hart & Hegeman Elec. Co., Hartford, Conn.
Automatic Temperature Control Co., Philadelphia, Pa.
Clare, C. P., & Co., Chicago, Ill.
Clark Controller Co., Cleveland, Ohio.
Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
National Time & Signal Corp., Detroit, Mich.
Square D Co., Milwaukee, Wisc.

RESISTANCE WELDERS

(See: "Welders, Band Saw," "Welders, Butt," "Welders, Flash," "Welders, Gun," "Welders, Projection," "Welders, Rail," "Welders, Seam," "Welders, Spot")

RESISTOR UNITS, Portable

General Electric Co., Schenectady, N. Y.
Stevens, C. H., & Co., Cornwall Bridge, Conn.

RESPIRATORS

American Optical Co., Southbridge, Mass.
Burdett Oxygen Co., The, Cleveland, Ohio.
Davis Emergency Equipment Co., Inc., Newark, N. J.
DeVilbiss Co., The, Toledo, Ohio.
Dockson Corp., Detroit, Mich.
General Scientific Equip. Co., Philadelphia, Pa.
Guyan Machinery Co., Logan, W. Virginia
Industrial Products Co., Phila., Pa.
McDonald Co., B. F., Los Angeles, Calif.
Mine Safety Appliances Co., Pittsburgh, Pa.
Paasche Airbrush Co., Chicago, Ill.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Superior Oxy-Acetylene Machine Co., Hamilton, Ohio.
Willson Products, Inc., Reading, Pa.

AIR REGULATORS

Large sensitive diaphragm, extra large nozzle and quick closing seat action combine to provide accurate regulation.

Designed for use with inlet pressures not to exceed 200 psi and delivery pressures up to 100 psi.

RHEOSTATS

Air Reduction Sales Co., New York, N. Y.
Clark Controller Co., The, Cleveland, Ohio.
General Electric Co., Schenectady, N. Y.
Guyan Machine Co., Logan, W. Va.
Ohmite Manufacturing Co., Chicago, Ill.
Lincoln Electric Co., Cleveland, Ohio.
Victor Equipment Co., San Francisco, Calif.
Vulcan Electric Co., Danvers, Mass.
Westinghouse Electric Corp., Pittsburgh, Pa.
Wilson Welder & Metals, Inc., New York, N. Y.

RINGS, Brazing Alloys

(See: "Brazing Alloy Rings")

RINGS, Weld Back-Up

Bonney Forge & Tool Works, Allentown, Pa.
Commerce Pattern Foundry & Machine Co., Detroit, Mich.
Grinnell Co., Inc., Providence, R. I.
Kling Bros. Engineering Works, Chicago, Ill.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
McCauley Alloy Sales Co., Chicago, Ill.
Midwest Piping & Supply Co., Inc., St. Louis, Mo.
Riverside Machinery Co., Chicago, Ill.
Robvon Backing Ring & Fabricating Co., Portland, Ore.
Wedge Protectors, Inc., Cleveland, Ohio

RODS, Welding

(See: "Welding Rods, Aluminum, Bronze, Cast Iron, Etc.")

RODS, Wire, Aluminum

Bissett Steel Co., The, Cleveland, Ohio
Colonial Alloys Co., Philadelphia, Pa.
Revere Copper and Brass, Inc., New York, N. Y.
Reynolds Metals Co., Louisville, Ky.

RODS, Wire, Steel

American Steel & Wire Co., Cleveland, Ohio
Arc Welding Supply Co., Bronx, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Bissett Steel Co., The, Cleveland, Ohio
Buffalo Bolt Co., North Tonawanda, N. Y.
Carnegie-Illinois Steel Corp., Div., U. S. Steel Corp., Pittsburgh, Pa.
Carpenter Steel Co., The, Reading, Pa.
Castle, A. M., & Co., Chicago, Ill.
Colorado Fuel and Iron Corp., Denver, Colo.
Columbia Steel Co., United States Steel Corp., Subsidiary, San Francisco, Calif.
Roebling's, John A., Sons, Co., Trenton, N. J.
Steel Sales Corp., Chicago, Ill.
Truscon Steel Co., Youngstown, Ohio
Weldit, Inc., Detroit, Mich.
Wheeling Steel Corp., Wheeling, W. Va.
Wickwire Spencer Steel Division, The Colorado Fuel & Iron Corp., Buffalo, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Youngstown Sheet and Tube Co., Youngstown, Ohio

ROLLING SHUNTS

(See: "Cables, Resistance Welding")

ROLLS BENDING

Bethlehem Steel Co., Bethlehem, Pa.
Bissett Steel Co., The, Cleveland, Ohio
Buffalo Forge Co., Buffalo, N. Y.
Carboloy Co., Inc., Detroit, Mich.

Kling Bros. Engineering Works, Chicago, Ill.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Pedrick Tool & Machine Co., Philadelphia, Pa.
Reed Engineering Co., Carthage, Mo.
Service Machine Co., Elizabeth, N. J.
Wallace Supplies Mfg. Co., Chicago, Ill.

ROLLS, Turning

Aronson Machine Co., Arcade, N. Y.
Bissett Steel Co., The, Cleveland, Ohio
Johnson Mach. Works, Eau Claire, Wis.
Reed Engineering Co., Carthage, Mo.
Ransome Div., Worthington Pump & Machinery Corp., Dunellen, N. J.
Service Machine Co., Elizabeth, N. J.
U. S. Steel Supply Co., Chicago, Ill.
Worthington Pump & Machinery Corp., Harrison, N. J.

ROPE, Wire

American Cable Division of American Chain & Cable Co., Inc., Wilkes-Barre, Pa.
American Steel & Wire Co., Cleveland, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Broderick & Bascom Rope Co., St. Louis, Mo.
Colorado Fuel and Iron Corp., Denver, Colo.
Columbia Steel Co., United States Steel Corp., Subsidiary, San Francisco, Calif.
Hazard Wire Rope Division of American Chain & Cable Co., Inc., Wilkes-Barre, Pa.
Crucible Steel Co. of America, New York, N. Y.
Johnson Steel & Wire Co., Inc., Worcester, Mass.
Jones & Laughlin Steel Corp., Pittsburgh, Pa.
Lamson & Sessions Co., The, Birmingham, Ala.
Paulsen-Webber Cordage Corp., New York, N. Y.
Roebling's, John A., Sons Co., Trenton, N. J.
Ryerson, Joseph T. & Son, Inc., Chicago, Ill.
Sasgen Derrick Co., Chicago, Ill.
Sunbury Wire Rope Mfg. Co., Sunbury, Pa.
Upson-Walton Co., The, Cleveland, Ohio
Wickwire Spencer Steel Division, The Colorado Fuel & Iron Corp., Buffalo, N. Y.

RUBBER ABRASIVES

(See: "Abrasives, Rubber")

RULES, Folding

Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., The, Saginaw, Mich.
Master Rule Mfg. Co., Inc., White Plains, N. Y.
Stanley Tools Division of The Stanley Works, New Britain, Conn.

RULES, Steel

Brown & Sharpe Mfg. Co., Providence, R. I.
Greene, Tweed & Co., North Wales, Pa.
Lufkin Rule Co., The, Saginaw, Mich.
Master Rule Mfg. Co., Inc., White Plains, N. Y.
Millers Falls Co., Greenfield, Mass.
Stanley Tools Division of The Stanley Works, New Britain, Conn.
Starrett, L. S., Co., The, Athol, Mass.

RUST PREVENTIVES and REMOVERS

Allen, L. B., Co., Inc., Chicago, Ill.
Allied Products Co., Chicago, Ill.
Cabot, Samuel, Inc., Boston, Mass.
Carbide and Carbon Chemicals Div., Union Carbide and Carbon Corp., New York, N. Y.
Cook's, Adam, Sons, Inc., Linden, N. J.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Dennis Chemical Co., St. Louis, Mo.
Diversey Corp., The, Metal Industries Dept., Chicago, Ill.
Dolph, John C., Co., Newark, N. J.
Eagle-Picher Sales Co., The, Cincinnati, Ohio
Hollingshead, R. M., Corp., Camden, N. J.
Houghton, E. F., & Co., Philadelphia, Pa.
Kano Laboratories, Chicago, Ill.
Kelite Products, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
Midland Paint & Varnish Co., Cleveland, Ohio
Nox-Rust Chemical Corp., Chicago, Ill.
Oakite Products, Inc., New York, N. Y.
Quaker Chemical Products Corp., Conshohocken, Pa.
Quigley Co., Inc., New York, N. Y.
Rust-Oleum Corp., Evanston, Ill.
Rusticide Products Co., Cleveland, Ohio
Smith, G. W., & Sons, Inc., Dayton, Ohio
Sonneborn Sons Inc., L., New York, N. Y.
Stuart, D. A., Oil Co., Ltd., Chicago, Ill.
Sun Oil Co., Philadelphia, Pa.
Superior Flake Graphite Co., Chicago, Ill.
Thompson & Co., Oakmont, Pa.
Walles-Dove-Hermiston Corp., Westfield, N. J.
Waverly Petroleum Products Co., Philadelphia, Pa.
Wayne Chemical Products Co., Detroit, Mich.
Wilbur & Williams Co., The, Boston, Mass.
Wolfe-Kote Co., Inc., Sheboygan, Wis.

SAFETY CLOTHING

(Refer to specific item desired such as: "Aprons," "Caps," "Coats," "Coveralls," "Gloves and Mittens," "Shoes," Etc.)

SALT TABLETS and DISPENSERS

Davis Emergency Equip. Co., Inc., Newark, N. J.
Dockson Corp., Detroit, Mich.
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Prod. Co., Philadelphia, Pa.
International Salt Co., Inc., Scranton, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Mine Safety Appliances Co., Pittsburgh, Pa.
Morton Salt Co., Chicago, Ill.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equip Co., Cleveland, Ohio
Standard Safety Equip. Co., Chicago, Ill.

SALTS, Heat Treating, Metal

Holden, A. E., Co., The, New Haven, Conn.
American Cyanamid Co., New York, N. Y.

SANDBLAST ABRASIVES

Bay State Abrasive Products Co., Westboro, Mass.
Carborundum Co., The, Niagara Falls, N. Y.
Macklin Co., Jackson, Mich.
Metallizing Co. of America, Inc., Chicago, Ill.
Metallizing Engineering Co., Long Island City, N. Y.
Norton Co., Worcester, Mass.
Paasche Airbrush Co., Chicago, Ill.
Parsons Engineering Corp., Cleveland, Ohio
Turco Products, Inc., Los Angeles, Calif.

SANDBLAST EQUIPMENT

(See: "Machines, Sandblast")

SANDERS, Electric, Portable

Albertson & Co., Inc., Sioux City, Iowa
Black & Decker Mfg. Co., The, Towson, Md.
Bradford Machine Tool Co., Cincinnati, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cincinnati Electrical Tool Co., The, Cincinnati, Ohio
Clark, James, Jr., Electric Co., Louisville, Ky.
Delta Mfg., Division of The Rockwell Mfg. Co., Milwaukee, Wis.
Dure Metal Products Co., Chicago, Ill.
Haskins, R. C., Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Merit Products, Inc., Culver City, Calif.
Millers Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Rotor Tool Co., Cleveland, Ohio
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tool Division, The Stanley Works, New Britain, Conn.
Sterling Tool Products Co., Chicago, Ill.
Stow Mfg. Co., Inc., Binghamton, N. Y.
Strand, N. A., & Co., Chicago, Ill.
United States Electrical Tool Co., The, Cincinnati, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., The, Towson, Md.
Walker-Turner Co., Inc., Plainfield, N. J.
Wodack Electric Tool Corp., Chicago, Ill.

SANDERS, Flexible Shaft

Elliott Mfg. Co., Binghamton, N. Y.
Haskins, R. G., Co., Chicago, Ill.
Jarvis, Chas. L., Co., Middletown, Conn.
Mall Tool Co., Chicago, Ill.
Merit Products, Inc., Culver City, Calif.
Pratt & Whitney Div., Niles-Bement-Pond Co., W. Hartford, Conn.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Wyzenbeek & Staff, Inc., Chicago, Ill.

SANDERS, Pneumatic, Portable

Aro Equipment Corp., The, Bryan, Ohio
Buckeye Tools Corp., Dayton, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Cleco Div., Reed Roller Bit Co., Houston, Texas
Keller Tool Co., Grand Haven, Mich.
Mall Tool Co., Chicago, Ill.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
Paasche Airbrush Co., Chicago, Ill.
Rotor Tool Co., The, Cleveland, Ohio
Sterling Tool Products Co., Chicago, Ill.

SANDPAPER

Abrasive Products, Inc., South Braintree, Mass.
Armour & Co., Coated Abrasives Div., Chicago, Ill.
Atlas Abrasives Corp., Brooklyn, N. Y.
Carborundum Co., The, Niagara Falls, N. Y.
Clover Mfg. Co., Norwalk, Conn.
Michigan Abrasive Co., Detroit, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Millers Falls Co., Greenfield, Mass.
Minnesota Mining & Mfg. Co., St. Paul, Minn.

SAWS, Band (Blades), for Metal

Armstrong-Blum Mfg. Co., Chicago, Ill.
Atkins, E. C. & Co., Indianapolis, Ind.
Capewell Mfg. Co., The, Hartford, Conn.
Clemson Bros., Inc., Middletown, N. Y.
Delta Power Tool Div. Rockwell Mfg. Co., Milwaukee, Wis.
Disston, Henry & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Famco Machine Co., Racine, Wisc.
Foley Mfg. Co., Minneapolis, Minn.
Griffin, G. W., Co., Franklin, N. H.
Millers Falls Co., Greenfield, Mass.
Simonds Saw & Steel Co., Fitchburg, Mass.
Spartan Saw Works, Inc., Springfield, Mass.
Starrett Co., The, L. S., Athol, Mass.
Thompson, Henry G. & Son Co., The, New Haven, Conn.
U. S. Steel Supply Co., Chicago, Ill.
Wells Mfg. Corp., Three Rivers, Mich.

SAWS, Band (Machine), for Metal

Armstrong-Blum Mfg. Co., Chicago, Ill.
Boice-Crane Co., Toledo, Ohio
Delta Power Tool Division of Rockwell Mfg. Co., Milwaukee, Wis.
DoAll Co., The, Des Plaines, Ill.
Duro Metal Products Co., Chicago, Ill.
Foley Mfg. Co., Minneapolis, Minn.
Heston & Anderson, Fairfield, Iowa
Johnson Mfg. Corp., Albion, Mich.
Johnson Manufacturing Corp., New York, N. Y.
Kalamazoo Tank & Silo Co., Machine Tool Division, Kalamazoo, Mich.
Peerless Machine Co., Racine, Wis.
Racine Tool & Machine Co., Racine, Wis.
Simonds Saw and Steel Co., Fitchburg, Mass.
U. S. Steel Supply Co., Chicago, Ill.
Walker-Turner Co., Inc., Plainfield, N. J.
Wells Manufacturing Corp., Three Rivers, Mich.

SAWS, Circular, Metal Cutting

Atkins, E. C., and Co., Indianapolis, Ind.
Brown & Sharpe Mfg. Co., Providence, R. I.
Campbell Machine Division, Am. Chain & Cable Co., Inc., Bridgeport, Conn.
Carborundum Co., The, Niagara Falls, N. Y.
Curtis Pneumatic Machinery, Div. of Curtis Mfg. Co., St. Louis, Mo.
Delta Power Tool Co., Rockwell Mfg. Co., Milwaukee, Wis.
Disston Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Foley Mfg. Co., Minneapolis, Minn.
Gorham Tool Co., Detroit, Mich.
Kett Tool Co., Cincinnati, Ohio
Kling Bros. Engineering Works, Chicago, Ill.
Midwest Tool & Mfg. Co., Detroit, Mich.
Morse Twist Drill & Machine Co., New Bedford, Mass.
National Twist Drill & Tool Co., Rochester, Mich.
Ohlen-Bishop Mfg. Co., Columbus, Ohio
Porter-Cable Machine Co., The, Syracuse, N. Y.
Reitzel Corp., Milwaukee, Wis.
Simonds Saw and Steel Co., Fitchburg, Mass.
Skilsaw, Inc., Chicago, Ill.
Starrett Co., The, L. S., Athol, Mass.
U.S. Steel Supply Co., Chicago, Ill.

SAWS, Electric, Portable

Black & Decker Mfg. Co., The, Towson, Md.
Bonney Forge & Tool Works, Allentown, Pa.
Bradford Machine Tool Co., The, Cincinnati, Ohio
Chicago Pneumatic Tool Co., New York, N. Y.
Heston & Anderson, Fairfield, Iowa
Independent Pneumatic Tool Co., Chicago, Ill.
Mall Tool Co., Chicago, Ill.
Miller Falls Co., Greenfield, Mass.
Milwaukee Electric Tool Corp., Milwaukee, Wis.
Porter-Cable Machine Co., The, Syracuse, N. Y.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tools, Div. of the Stanley Works, New Britain, Conn.
U.S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., Cleveland, Ohio
Wysenbeek & Staff, Inc., Chicago, Ill.

SAWS, Hack (Hand Blades)

American Saw & Mfg. Co., Springfield, Mass.
Armstrong-Blum Mfg. Co., Chicago, Ill.
Atkins, E. C., and Co., Indianapolis, Ind.
Barnes, W. O., Co., Inc., Detroit, Mich.
Capewell Mfg. Co., The, Hartford, Conn.
Clemson Bros., Middletown, N. Y.
Crescent Tool Co., Jamestown, N. Y.
Diamond Saw Works, Inc., Buffalo, N. Y.
Disston Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Forsberg Mfg. Co., The, Bridgeport, Conn.
Griffin, G. W., Co., Franklin, N. H.
McBurney, A. D., Los Angeles, Calif.
Owatonna Tool Co., Owatonna, Minn.
Plomb Tool Co., Los Angeles, Calif.
Racine Tool & Machine Co., Racine, Wisc.
Ryerson, Joseph T. & Son, Inc., Chicago, Ill.
Simonds Saw and Steel Co., Fitchburg, Mass.
Spartan Saw Works, Inc., Springfield, Mass.
Starrett, L. S., Co., The, Athol, Mass.
Thompson, Henry G., & Son, Co., The, New Haven, Conn.
U. S. Steel Supply Co., Chicago, Ill.
Victor Saw Works, Inc., Middletown, N. Y.

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GB Standard Silver Solders:

GB No. 50 Silver Solder, melting range 1160-1175°F
GB No. 50N Silver Solder, melting range 1240-1260°F
GB No. 45 Silver Solder, melting range 1125-1145°F
GB No. 41 Silver Solder, melting range 1125-1160°F
GB No. 35 Silver Solder, melting range 1130-1270°F
GB No. 31 Silver Solder, melting range 1130-1300°F

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Suppliers of Precious Metals to Industry Since 1867

SAWS, Hack (Machines)

(See: "Machines, Hack Saw")

SAWS, Hack (Power Blades)

American Saw & Mfg. Co., Springfield, Mass.
Armstrong-Blum Mfg. Co., Chicago, Ill.
Atkins, E. C., and Co., Indianapolis, Ind.
Barnes, W. O., Co., Inc., Detroit, Mich.
Capewell Mfg. Co., The, Hartford, Conn.
Clemson Bros., Middletown, N. Y.
Diamond Saw Works, Inc., Buffalo, N. Y.
Disston Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
DoAll Co., The, Des Plaines, Ill.
Forsberg Mfg. Co., The, Bridgeport, Conn.
Griffin, G. W., Co., Franklin, N. H.
Mid-States Welder Mfg. Co., Chicago, Ill.
Ryerson, Joseph T. & Son, Inc., Chicago, Ill.
Simonds Saw and Steel Co., Fitchburg, Mass.
Spartan Saw Works, Inc., Springfield, Mass.
Starrett, L. S., Co., The, Athol, Mass.
Thompson, Henry G., & Son, Co., The, New Haven, Conn.
U. S. Steel Supply Co., Chicago, Ill.
Victor Saw Works, Inc., Middletown, N. Y.

SAWS, Hole

Anderson Corp., Worcester, Mass.
Armstrong-Blum Mfg. Co., Chicago, Ill.
Aro Equipment Corp., Bryan, Ohio
Black & Decker Mfg. Co., The, Towson, Md.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Misener Manufacturing Co., Inc., Syracuse, N. Y.
Porter-Cable Machine Co., Syracuse, N. Y.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tools, Div. of the Stanley Works, New Britain, Conn.
U. S. Electrical Tool Co., Cincinnati, Ohio
Van Dorn Electric Tool Co., Towson, Md.

SCALING HAMMERS

(See: "Hammers, Clipping and Scaling Hand")

SCHOOLS, Welding

Cleveland School for Welding, Cleveland, Ohio
Hobart Bros. Co., The, Troy, Ohio

SEALERS, Weld Through

Dayton Chemical Prod. Lab. Inc., West Alexandria, Ohio
Key Co., E. St. Louis, Ill.
Presstite Engineering Co., St. Louis, Mo.

SEAM WELDERS, Resistance

(See: "Welders, Seam")

SHAFTS, Flexible

Albertson & Co., Inc., Sioux City, Iowa
Dumore Co., The, Racine, Wisc.
Duro Metal Products Co., Chicago, Ill.
Elliott Manufacturing Co., Binghamton, N. Y.
Haskins, R. G., Co., Chicago, Ill.
Jefferson Engineering & Mfg. Co., Detroit, Mich.
Jeffrey Mfg. Co., The, Columbus, Ohio
Mail Tool Co., Chicago, Ill.
Master Electric Co., The, Dayton, Ohio
Stow Manufacturing Co., Binghamton, N. Y.
Strand, N. A., Div., The Balmar Corp., Chicago, Ill.
Swartz & White Mfg. Co., Binghamton Flexible Shaft Division, Binghamton, N. Y.
United States Electrical Tool Co., The, Cincinnati, Ohio
Walker-Turner Co., Inc., Plainfield, N. J.

SHEARS, Metal Cutting, Electric, Portable

Barth Mfg. Co., The, Millidale, Conn.
Black & Decker Mfg. Co., The, Towson, Md.
Independent Pneumatic Tool Co., Chicago, Ill.
Jefferson Engineering & Mfg. Co , Detroit, Mich.
O'Neil-Irwin Mfg. Co., Lake City, Minn.
Skilsaw, Inc., Chicago, Ill.
Stanley Electric Tool Division, The Stanley Works, New Britain, Conn.
U. S. Steel Supply Co., Chicago, Ill.
Van Dorn Electric Tool Co., The, Towson, Md.

SHEARS, Metal Cutting, Pneumatic, Portable

Aircraft-Marine Products, Inc., Harrisburg, Pa.
Bonney Forge & Tool Works, Allentown, Pa.
Buckeye Tools Corp., Dayton, Ohio.
Cleveland Crane & Engineering Co., Wickliffe, Ohio.
Porter, H. K., Inc., Somerville, Mass.

SHEARS, Metal Cutting, Rotary

(See: "Machines-Shears, Metal Cutting")

SHEARS, Metal Cutting, Foot Power, Belts or Motor Drives

(See: "Machines-Shears, Metal Cutting")

SHIELDS, Welding Inspection

(See: "Face Shields, Welding Inspection)

SHOES, Safety

Davis Emergency Equipment Co., Inc., Newark, N. J.
Dunn Products, Chicago, Ill.
Greene, Tweed & Co., North Wales, Pa.
Industrial Products Co., Philadelphia, Pa.
International Shoe Co., St. Louis, Mo.
Lehigh Safety Shoe Co., Inc., Allentown, Pa.
Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Thom McAn Safety Shoe Div., New York, N. Y.
Thompson Engineering Co., The, Grand Rapids, Mich.

SHUNTS

(See: "Cables, Resistance Welding")

SILVER-BRAZING ALLOYS

Air Reduction Sales Co., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Allen, L. B., Co., Inc., Chicago, Ill.
Alloy Specialties Co., Inc., Swissvale, Pa.
Alpha Metals, Inc., Brooklyn, N. Y.
American Brass Co., The, Waterbury, Conn.
American Oxygen Service Corp., Harrison, N. J.
American Platinum Works, The, Newark, N. J.
American Products Corp., Chicago, Ill.
Arc Welding Supply Co., Bronx, N. Y.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Burdett Oxygen Co., Cleveland, Ohio.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., Cleveland, Ohio.
Chase Brass & Copper Co., Waterbury, Conn.
Childs Aluminum Solder Co., New York, N. Y.
Cleveland Precision Ring & Products Co., Cleveland, Ohio.
Consolidated Metals Corp., Detroit, Mich.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Dockson Corp., Detroit, Mich.
Ever-Tite Alloys Co., New York, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
Flux-All Chemical Products, New York, N. Y.
Fusion Engineering Co., Cleveland, Ohio.
Goldsmith Bros. Smelting & Refining Co., Chicago, Ill.

(Continued on page 68)

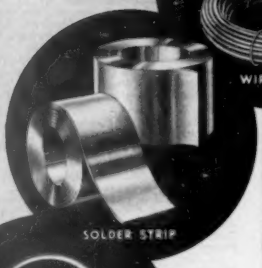
The Finest of

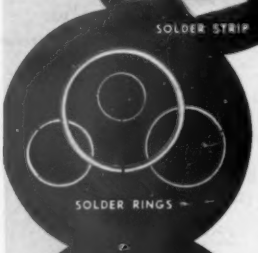
SILVER SOLDERS

FOR

SPEED • ECONOMY • DURABILITY

WIRE OR ROD


SOLDER STRIP


SOLDER RINGS

SOLDER WASHERS

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MAKEPEACE has long pioneered in the development and perfection of silver solders. With nearly sixty years of accumulated experience behind us, we have, today, developed a variety of silver-brazing alloys to meet every industrial requirement.

MAKEPEACE solders flow easily, penetrate deeply and diffuse evenly. The joints are stronger, in most instances, than the parts joined . . . durable, ductile, leakproof, corrosion resistant, and high in electrical and thermal conductivity.

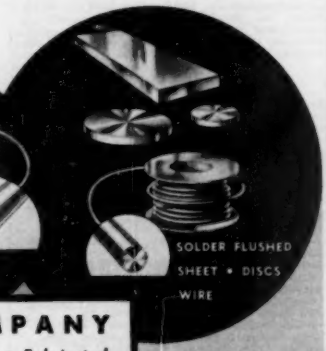
Preplaced solder rings or solder washers and induction heating have outmoded former soldering methods. Likewise, modern alloys and light gauge metals, often damaged by high temperature brazing or welding, are being particularly aided by our low temperature, fast-spreading silver solders.

If you use silver solder, you should know **MAKEPEACE**. Our fully equipped research and testing laboratory . . . as well as our staff of thoroughly experienced metallurgists, chemists and consultants . . . are all at your service.

Your inquiries are cordially invited and will receive our prompt and interested attention. Write, too, for a copy of our informative folder on Precious Metal Solders with helpful melting and flow-point tables.

BURRED SOLDER

SOLDER FILLED WIRE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D. E. MAKEPEACE COMPANY

Laminated and Solid Precious Metals for Industrial Use • Fabricated Parts and Assemblies • Bar Contact Material • Precious Metal Solders

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NEW YORK OFFICE, 30 CHURCH STREET
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An Unbeatable Combination!

SILVALOY SILVER BRAZING ALLOYS

The Silvaloy group consists of 7 popular silver brazing alloys high in tensile strength and producing strong, ductile joints on ferrous and non-ferrous metals.

	SILVER CONTENT	MELTING POINT	FLOW POINT
SILVALOY 50	50%	1160 F	1175 F
SILVALOY 45	45%	1125 F	1145 F
SILVALOY 40	40%	1135 F	1205 F
SILVALOY 35	35%	1125 F	1295 F
SILVALOY 20	20%	1430 F	1500 F
SILVALOY 15	15%	1185 F	1280 F
SILVALOY 503	50%	1195 F	1270 F

1200 All-Purpose Flux—for use on all metals. No. 1200 Flux readily dissolves oxides during brazing operations and aids in the flowing of the alloy. Meets all government specifications.

1100 Low Temperature Flux—superior where exceptionally clean surfaces on copper or copper alloys are required at lower temperatures.

COMPLETE STOCKS

Oxy-acetelyne welding rods and flux for cast iron, steel, aluminum, brass, copper, bronze, nickel, monel and inconel.

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BRANCH PLANTS: Detroit, St. Louis • BRANCH OFFICES: Milwaukee, Minneapolis, Grand Rapids, Indianapolis, Kansas City, Mo.

SILVER-BRAZING ALLOYS

(Continued from page 67)

Handy & Harman, New York, N. Y.
Industrial Air Prod. Co., Portland, Oreg.
Johnson, Lloyd S., & Co., Chicago, Ill.
Krieg, Charles W., Co., Newark, N. J.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Makepeace Co., D. E., Attleboro, Mass.
Mallory, P. R., & Co., Inc., Indianapolis, Ind.
McCauley Alloy Sales Co., Chicago, Ill.
Metal Bond Mfg. Co., St. Louis, Mo.
Ryerson, Joseph T., & Son, Inc., Chicago, Ill.
Sherman & Co., Flushing, N. Y.
Steel Sales Corp., Chicago, Ill.
United Wire & Supply Corp., Cranston, R. I.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

SKIN CREAM, Cleansing

Dennis Chemical Co., St. Louis, Mo.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Milburn Co., Detroit, Mich.
Mine Safety Appliances Co., Pittsburgh, Pa.
Safety Clothing & Equipment Co., Cleveland, Ohio.

SKIN CREAM, Protective

Boyer-Campbell Co., Detroit, Mich.
Cadet Creme Sales Co., Springfield, Mass.
Davis Emergency Equipment Co., Inc., Newark, N. J.
Dunn Products, Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Industrial Products Co., Philadelphia, Pa.
Magnaflux Corp., Chicago, Ill.
Milburn Co., Detroit, Mich.
Mine Safety Appliances Co., Pittsburgh, Pa.
Pulmosan Safety Equip. Corp., Brooklyn, N. Y.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.

SLEDGES, Mauls or Striking Hammers

(See: "Hammers, Blacksmiths")

SLEEVES, Asbestos

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Bullard, E. D., Co., San Francisco, Calif.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Greene, Tweed & Co., North Wales, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Keasbey & Mattison Co., Ambler, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio.
McDonald, B. F., Co., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Corp., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Raybestos-Manhattan, Inc., Passaic, N. J.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

SLEEVES, Fire Resistant Duck

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio.
McDonald, B. F., Co., Los Angeles, Calif.
Pulmosan Safety Equip. Corp., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Standard Safety Equipment Co., Chicago, Ill.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Pittsburgh, Pa.

SLEEVES, Leather

Aljay Manufacturing Co., Inc., Philadelphia, Pa.
American Optical Co., Southbridge, Mass.
Boyer-Campbell Co., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
General Electric Co., Schenectady, N. Y.
General Scientific Equipment Co., Philadelphia, Pa.
Holcomb Safety Garment Co., Chicago, Ill.
Industrial Gloves Co., Danville, Ill.
Industrial Products Co., Philadelphia, Pa.
McDonald, B. F., Co., Los Angeles, Calif.
Olympic Glove Co., Inc., The, New York, N. Y.
Pulmosan Safety Equip. Corp., Brooklyn, N. Y.
Racine Glove Co., Inc., Rio, Wis.
Safety Clothing & Equipment Co., Cleveland, Ohio.
Streichert, E. J., Chicago, Ill.
Tillman & Co., John, Long Beach, Calif.
Wheeler Protective Apparel, Inc., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

SLINGS, Chain

American Chain Division of American Chain & Cable Co., Inc., York, Pa.
Columbus McKinnon Chain Corp., Tonawanda, N. Y.
Hercules Sling Co., Rockford, Ill.
International Chain & Mfg. Co., York, Pa.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Div., Muskegon, Mich.
Newhall Chain Forge & Iron Co., Westwood, N. J.
Olympic Glove Co., Inc., The, New York, N. Y.
Paulson-Webber Cordage Corp., New York, N. Y.
Round, David and Son, Cleveland, Ohio
Ryerson, Joseph T., & Son, Inc., Chicago, Ill.
Taylor, S. G., Chain Co., Hammond, Ind.
U. S. Steel Supply Co., Chicago, Ill.
Youngstown Welding & Engineering Co., The, Youngstown, Ohio

SLINGS, Wire Rope

American Cable Division of American Chain & Cable Co., Inc., Wilkes-Barre, Pa.
American Steel & Wire Co., Cleveland, Ohio
Bethlehem Steel Co., Bethlehem, Pa.
Broderick & Bascom Rope Co., St. Louis, Mo.
Colorado Fuel and Iron Corp., Denver, Colo.
Hazard Wire Rope Division of American Chain & Cable Co., Inc., Wilkes-Barre, Pa.
Macwhyte Co., Kenosha, Wis.
Paulson-Webber Cordage Corp., New York, N. Y.
Roebling's, John A., Sons, Co., Trenton, N. J.
Sunbury Wire Rope Mfg., Co., Sunbury, Pa.
Upson-Walton Co., The, Cleveland, Ohio
Wickwire Spencer Steel, Division of Colorado Fuel & Iron Co., Buffalo, N. Y.

SOAPSTONE HOLDERS

(See: "Holders, Soapstone")

SODIUM SILICATE

American Chemical & Flux Co., Brooklyn, N. Y.
Diamond Alkali Co., Pittsburgh, Pa.
E. I. duPont deNemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Pennsylvania Salt Mfg. Co., Philadelphia, Pa.
Philadelphia Quartz Co., Philadelphia, Pa.

SOLDER, Aluminum

Aladdin Rod & Flux Mfg. Co., Grand Rapids, Mich.
Allen Co., L. B., Chicago, Ill.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
American Solder & Flux Co., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Central Steel and Wire Co., Chicago, Ill.
Chicago Hardware Foundry Co., North Chicago, Ill.
Childs Aluminum Solder Co., New York, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
Farelloy Co., Philadelphia, Pa.
Flux-All Chemical Products, New York, N. Y.
Galv-Weld Products, Dayton, Ohio
Johnson Mfg. Co., Inc., Mt. Vernon, Iowa
Kester Solder Co., Chicago, Ill.
Krieg, Charles W., Co., Newark, N. J.
Lloyd S. Johnson & Co., Chicago, Ill.
Linde Air Products Co., The, New York, N. Y.
Marquette Mfg. Co., Minneapolis, Minn.
Metal Bond Mfg. Co., St. Louis, Mo.
Metalloy Prod. Co., Los Angeles, Cal.
National Welders Supply Co., Charlotte, N. C.
Ohmer, George H., Dayton, Ohio
Pal-Weld Mfg. Co., Seattle, Wash.
Phillips, C. E. & Co., Detroit, Mich.
Ragle, J. M., Industries, Kansas City, Mo.
Reynolds Metals Co., Louisville, Ky.
Smith Welding Equipment Corp., Minneapolis, Minn.
Victor Equipment Co., San Francisco, Calif.
Welding Alloys Mfg. Co., Newark, N. J.
White Metal Rolling & Stamping Corp., Brooklyn, N. Y.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wooldridge Aluminum Welding Products, Inc., Malden, Mass.
WOW Welding Specialties Co., Chicago, Ill.

SOLDER, Bar and Wire

Allen, L. B., Co., Inc., Chicago, Ill.
Alpha Metals, Inc., Brooklyn, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
American Solder & Flux Co., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Central Steel and Wire Co., Chicago, Ill.
Chase Brass & Copper Co., Inc., Waterbury, Conn.

Cleveland Precision Ring & Products Co., Cleveland, Ohio
Consolidated Metals Corp., Detroit, Mich.
Dockson Corp, Detroit, Mich.
Eagle-Picher Co., The, Cincinnati, Ohio
Eutectic Welding Alloys Co., Flushing, N. Y.
Flux-All Chemical Products, New York, N. Y.
W. B. Franklin Co., San Francisco, Calif. (Tape only)
Fusion Engineering Co., Cleveland, Ohio
Galv-Weld Products, Dayton, Ohio
Gardiner Metal Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Kester Solder Co., Chicago, Ill.
Kirk, Morris P., & Son, Inc., Los Angeles, Calif.
Krieg, Charles W., Co., Newark, N. J.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Metal Bond Mfg. Co., St. Louis, Mo.
Metalloy Prod. Co., Los Angeles, Cal.
Mueller Brass Co., Port Huron, Mich.
National Bearing Metals Corp., St. Louis, Mo.
National Lead Co., New York, N. Y.
Pal-Weld Mfg. Co., Seattle, Wash.
Prier Brass Mfg. Co., Kansas City, Mo.
Swiss Laboratory, Cleveland, Ohio
United Wire & Supply Corp., Cranston, R. I.
Wayne Chemical Prod. Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
White Metal Rolling & Stamping Corp., Brooklyn, N. Y.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

SOLDER, Brazing
(See: "Silver Brazing Alloys")

SOLDER, Hard
(See: "Silver Brazing Alloys")

SOLDER PADDLES

Porter, H. K. Inc., Somerville, Mass.
Remont Mfg. Co., Lombard, Ill.

SOLDER, Silver
(See: "Silver Brazing Alloys")

SOLDER, Soft
(See: "Solder, Bar and Wire")

SOLDER, Self-Fluxing
(See: "Solder, Wire, Flux")

SOLDER, Wire, Fluxed

Air Reduction Sales Co., New York, N. Y.
Allen, L. B., Co., Chicago, Ill.
Alpha Metals, Inc., Brooklyn, N. Y.
Arc Welding Supply Co., Bronx, N. Y.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Eagle Welding Equipment Co., Chicago, Ill.
Eutectic Welding Alloys Co., Flushing, N. Y.
Farrelloy Co., Philadelphia, Pa.
Flux-All Chemical Products, New York, N. Y.
Kester Solder Co., Chicago, Ill.
Kirk, Morris P., & Son, Inc., Los Angeles, Calif.
National Lead Co., New York, N. Y.
Ruby Chemical Co., The, Columbus, Ohio
Swiss Laboratory, Cleveland, Ohio

SOLDERING, Copper
(See: "Irons, Soldering")

SOLDERING IRONS
(See: "Irons, Soldering")

SOLDERING OUTFITS, Acetylene or Hydrogen

Air Products, Inc., Allentown, Pa.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Beaverdell, Inc., Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Welding & Equip. Co., Boston, Mass.
Harris Calorific Co., The, Cleveland, Ohio
Hoke, Inc., Englewood, N. J.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., St. Louis, Mo.
National Welding Equipment Co., Ltd., San Francisco, Calif.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Reiner & Campbell Co., Inc., Elizabeth, N. J.
Sight Feed Generator Co., The, Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Torchweld Equipment Co., Chicago, Ill.
Torit Manufacturing Co., St. Paul, Minn.
Universal Welder Corp., Cleveland, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

SOLDERING TIPS
(See: "Tips, Soldering")

SPATTER PREVENTATIVES

Acme White Lead & Color Works, Detroit, Mich.
Atlas Welding Accessories Co., Ferndale, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Electric Co., Schenectady, N. Y.
Hobart Bros. Co., Troy, Ohio.
Kelite Products, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Midland Paint & Varnish Co., Cleveland, Ohio.
Mowatt, George R., Co., New York, N. Y.
Smith, G. W., & Sons, Dayton, Ohio.
Steel Sales Corp., Chicago, Ill.
Thompson & Co., Oakmont, Pa.
Universal Welder Corp., Cleveland, Ohio.
Victor Equipment Co., San Francisco, Calif.
Welsh Manufacturing Co., Providence, R. I.
Wayne Chemical Products Co., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wolfe-Kote Co., Inc., Sheboygan, Wis.

SPECTACLES
(See: "Goggles")

SPLICERS, Cable

Erico Products, Inc., Cleveland, Ohio
Jackson Products, Warren, Mich.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
Mine Safety Appliances Co., Pittsburgh, Pa.
Mueller Electric Co., Cleveland, Ohio.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Stevens, C. H., & Co., Inc., Cornwall Bridge, Conn.
Tweco Products Co., Wichita, Kan.
Wagner Manufacturing Co., Inc., Jackson, Md.
Westinghouse Electric Corp., Pittsburgh, Pa.

SPOT WELDER CONVERTER

A. C. Devices & Products, Chicago, Ill.
Expert Welding Mach. Co., Detroit, Mich.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Rex Welder & Equipment Co., Kansas City, Mo.

SPOT WELDERS
(See: "Welders, Spot")

SPOT-WELDING GUNS
(See: "Welders, Gun")

SPRAY GUNS
(See: "Guns, Spray")

SQUARES, Combination

Miller Falls Co., Greenfield, Mass.

STABILIZERS, Arc

Cesco Products, Chicago, Ill.
Lincoln Electric Co., Cleveland, Ohio.
Mid-States Welder Mfg. Co., Chicago, Ill.
Precision Welder Mfg. Co., Chicago, Ill.
Titanium Alloy Mfg. Co., Niagara Falls, N. Y.
Welding Apparatus Co., Chicago, Ill.
Westinghouse Electric Corp., Pittsburgh, Pa.

STEEL (SHEETS, PLATES, BARS, STRUCTURAL SHAPES, Etc.)

American Rolling Mill Co., Middletown, Ohio.
Apollo Steel Co., Pittsburgh, Pa.
Armco Steel Corp., Middletown, Ohio.
Baldwin Locomotive Works, The, Philadelphia, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Carnegie-Illinois Steel Corp., Pittsburgh, Pa.
Castle, A. M., & Co., Chicago, Ill.
Central Steel & Wire Co., Chicago, Ill.
Columbia Steel Co., San Francisco, Cal.
Crucible Steel Co. of America, New York, N. Y.
Disston, Henry, & Sons, Inc., Tacony, Philadelphia, Pa.
Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
Great Lakes Steel Corp., Detroit, Mich.
Granite City Steel Co., Granite City, Ill.
Heller Brothers Co., Newark, N. J.
Ingersoll Steel Div., Borg-Warner Corp., Chicago, Ill.
Inland Steel Co., Chicago, Ill.
National Steel Corp., Ecorse, Detroit, Mich.
Reliance Steel Div., Detroit Steel Corp., Cleveland, Ohio.
Republic Steel Corp., Cleveland, Ohio.
Robvon Corp., The, Denver, Colo.
Roebling's Sons Co., John A., Trenton, N. J.
Rustless Iron & Steel Corp., Baltimore, Md.
Ryerson, Joseph T., & Son, Inc., Chicago, Ill.
Sharon Steel Corp., Sharon, Pa.

A CABLE WELDED IN 10 SECONDS BY CADWELD

The Cadweld Process, an outstanding method of splicing welding cable — no skill required. Salvage short lengths of cable. Powdered copper oxide and aluminum are dumped into a graphite crucible and ignited with a flint gun. The molten copper obtained from the reaction welds the cable ends together.
Connection has: No overloading, loosening or oxidation. Current carrying capacity of the weld is greater than the cable itself. Time required — less than one minute.

Welder M-364 — for No. 1 and No. 2 cable
Welder M-263 — for 1/0 and 2/0 cable
Welder M-262 — for 3/0 and 4/0 cable

For the best in lugs, quick connectors, ground clamps, and electrode holders, buy Caddy — Bulletins on request.

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Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.
U. S. Steel Supply Co., Chicago, Ill.
Worth Steel Co., Claymont, Del.
Wyckoff Steel Co., Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio.

STEEL, Inconel-Clad

International Nickel Co., Inc., New York, N. Y.
Lukens Steel Co., Coatesville, Pa.
Steel Sales Corp., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.

STEEL, Manganese 11-14%

American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Bethlehem Steel Co., Bethlehem, Pa.
Castle, A. M., & Co., Chicago, Ill.
Industrial Overlay Metals, Inc., Eaton, Ohio
Jessop Steel Co., Washington, Pa.
Manganese Steel Forge Co., Philadelphia, Pa.
Republic Steel Corp., Cleveland, Ohio.

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CABLE SPLICERS

Quality products, part of a group including Ground Clamps, Cable Connectors, Splicers and Lugs, all available in sizes No. 1, 2/0, and 4/0. Made by the makers of the popular quality line of Arc Welding Electrode Holders.

JACKSON PRODUCTS
WARREN, MICHIGAN

Ryerson, J. T., & Son, Inc., Chicago, Ill.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stulz Sickles Co., Newark, N. J.
Taylor Wharton Iron & Steel Co., High Bridge, N. J.

STEEL, Monel-Clad

American Nickeloid Co., Peru, Ill.
International Nickel Co., Inc., New York, N. Y.
Lukens Steel Co., Coatesville, Pa.
Steel Sales Corp., Chicago, Ill.
Superior Steel Corp., Carnegie, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

STEEL, Nickel-Clad

American Nickeloid Co., Peru, Ill.
International Nickel Co., Inc., New York, N. Y.
Lukens Steel Co., Coatesville, Pa.
Republic Steel Corp., Cleveland, Ohio
Steel Sales Corp., Chicago, Ill.
Superior Steel Corp., Carnegie, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

STEEL, Nickel Manganese

American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Carnegie-Illinois Steel Corp., Div. U. S. Steel Corp., Pittsburgh, Pa.
Industrial Overlay Metals, Inc., Eaton, Ohio
Manganese Steel Forge Co., Philadelphia, Pa.
Ryerson, J. T., & Son, Inc., Chicago, Ill.
Steel Sales Corp., Chicago, Ill.
Stulz-Sickles Co., Newark, N. J.
Taylor Wharton Iron & Steel Co., High Bridge, N. J.

STEEL, Silver-Clad

Lukens Steel Co., Coatesville, Pa.
Sherman & Co., Flushing, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

STEEL, Stainless

Allegheny Ludlum Steel Corp., Pittsburgh, Pa.
American Steel & Wire Co., Cleveland, Ohio.
Armco Drainage & Metal Products, Inc., Middletown, Ohio.
Armco Steel Corp., Middletown, Ohio.
Atlas Foundry Co., Irvington, N. J.
Babcock & Wilcox Tube Co., The, Beaver Falls, Pa.
Bethlehem Steel Co., Bethlehem, Pa.
Bissett Steel Co., The, Cleveland, Ohio.
Carnegie-Illinois Steel Corp., Pittsburgh, Pa.
Castle, A. M., & Co., Chicago, Ill.
Carpenter Steel Co., The, Reading, Pa.
Central Steel & Wire Co., Chicago, Ill.
Crucible Steel Co. of America, New York, N. Y.
Disston, Henry & Sons, Inc., Tacony, Philadelphia, Pa.
Eastern Stainless Steel Corp., Baltimore, Md.
Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
Ingersoll Steel Div., Borg-Warner Corp., Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Lukens Steel Co., Coatsville, Pa.
Manganese Steel Forge Co., Philadelphia, Pa.
Maurath, Inc., Cleveland, Ohio
McCauley Alloy Sales Co., Chicago, Ill.
Michigan Steel Casting Co., Detroit, Mich.
National Tube Co., Pittsburgh, Pa.
Republic Steel Corp., Cleveland, Ohio
Robvon Corp., The, Denver, Colo.
Rustless Iron and Steel Corp., Baltimore, Md.
Ryerson, Joseph T. & Son, Inc., Chicago, Ill.
Sharon Steel Corp., Sharon, Pa.
Steel Sales Corp., Chicago, Ill.
Superior Steel Corp., Carnegie, Pa.
Timken Roller Bearing Co., Canton, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Washington Steel Corp., Washington, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

STEEL, Stainless-Clad

Allegheny Ludlum Steel Corp., Pittsburgh, Pa.
Steel, A. M., & Co., Chicago, Ill.
Crucible Steel Co. of America, New York, N. Y.
Granite City Steel Co., Granite City, Ill.
Ingersoll Steel Div., Borg-Warner Corp., Chicago, Ill.
Jessop Steel Co., Washington, Pa.
Lukens Steel Co., Coatsville, Pa.
Republic Steel Corp., Cleveland, Ohio
Ryerson, Joseph T. & Son, Inc., Chicago, Ill.
Sharon Steel Corp., Sharon, Pa.
Steel Sales Corp., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.
Worth Steel Co., Claymont, Del.

STEEL TUBING

(See: "Tubing")

STOCKS and DIES, Bolt

Armstrong Bros. Tool Co., Chicago, Ill.
Bay State Tap & Die Co., Mansfield, Mass.
Beaver Pipe Tools, Inc., Warren, Ohio
Butterfield Division, Union Twist Drill Co., Derby Line, Vt.
Capewell Mfg. Co., The, Hartford, Conn.
Greenfield Tap & Die Corp., Greenfield, Mass.
Hollands Mfg. Co., Erie, Pa.
Morse Twist Drill & Machine Co., New Bedford, Mass.
Nye Tool & Machine Co., Chicago, Ill.
Oster Manufacturing Co., The, Cleveland, Ohio
Pratt & Whitney Div., Niles-Bement-Pond Co., W. Hartford, Conn.
Reed Manufacturing Co., Erie, Pa.
Ridge Tool Co., The, Elyria, Ohio
Standard Tool Co., Cleveland, Ohio
Threadwell Tap & Die Co., Greenfield, Mass.
Toledo Pipe Threading Machine Co., The, Toledo, Ohio

STONES, Rubbing and Sharpening

Carborundum Co., The, Niagara Falls, N. Y.
Chicago Wheel & Mfg. Co., Chicago, Ill.
Macklin Co., Jackson, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Norton Co., Worcester, Mass.
Sandusky Abrasive Wheel Co., Kalamazoo, Mich.
Universal Wheel & Abrasive Corp., Chicago, Ill.

STOOLS and CHAIRS, Factory, Steel

Angle Steel Stool Co., Plainwell, Mich.
New Britain Machine Co., The, New Britain, Conn.
Standard Pressed Steel Co., Jenkintown, Pa.

STRAIGHTENERS, Wire

Aufhauser Bros. Co., New York, N. Y.
Coast Metals, Inc., Canton, Ohio
Lewis Machine Co., The, Cleveland, Ohio
Metallizing Engineering Co., Long Island City, N. Y.
Mosio Machinery Co., Cleveland, Ohio

STRIPPERS, Electrode

Mosio Machinery Co., Cleveland, Ohio

STUD WELDERS

Acro Welder Mfg. Co., Inc., Milwaukee, Wis.
Agnew Electric Co., Milford, Mich.
Graham Manufacturing Corp., Ferndale, Mich.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Hollup Corp., Chicago, Ill.
KSM Prod., Inc., Merchantville, N. J.
National Cylinder Gas Co., Chicago, Ill.
Nelson Stud Welding, Div. of Morton Gregory Corp., Lorain, Ohio
O. K. I. Welding Supply Co., Cincinnati, Ohio
Resistance Welder Corp., Detroit, Mich.
Shielded Stud Welding Co., Los Angeles, Calif.
C. H. Stevens & Co., Norwalk, Conn.
Stevenson Jordan & Harrison, New York, N. Y.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Wonder Welding Specialties, Oakland, Calif.

STUDS, Flux-Filled

KSM Products, Inc., Merchantville, N. J.
Nelson Stud Welding, Div. of Morton Gregory Corp., Lorain, Ohio

SURFACE-HARDENING POWDER

All-State Welding Alloys Co., Inc., White Plains, N. Y.
Anti-Borax Compound Co., Inc., Ft. Wayne, Ind.
Childs Aluminum Solder Co., New York, N. Y.
Industrial Overlay Metals, Inc., Eaton, Ohio
Wall Colmonoy Corp., Detroit, Mich.

SWEAT BAND

American Optical Co., Southbridge, Mass.
Dockson Corp., Detroit, Mich.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Fibre-Metal Products Co., The, Chester, Pa.
Flood Safety Products Co., Chicago, Ill.
General Scientific Equip. Co., Philadelphia, Pa.
Industrial Products Co., Philadelphia, Pa.
Kimball Safety Prod. Co., Cleveland, Ohio
Mine Safety Appliances Co., Pittsburgh, Pa.
Safety Clothing & Equipment Co., Cleveland, Ohio
Sellstrom Mfg. Co., Chicago, Ill.
Tillman, John, & Co., Long Beach, Calif.

SUBMERGED MELT

(See: "Welding, Automatic, Submerged Melt")

SWITCHES, Electric

Albert & J. M. Anderson Mfg. Co., S. Boston, Mass.
Allis-Chalmers Mfg. Co., Milwaukee, Wis.
Arrow-Hart & Hegeman Co., Hartford, Conn.
Automatic Temperature Control Co., Philadelphia, Pa.
Clark Controller Co., The, Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Cutler-Hammer Mfg. Co., Milwaukee, Wis.
Friez Instrument Division, Bendix Aviation Corp., Baltimore, Md.
General Electric Co., Schenectady, N. Y.
Lincoln Electric Co., Cleveland, Ohio
Master Electric Co., The, Dayton, Ohio
McGill Manufacturing Co., Valparaiso, Ind.
Rees, Mackworth G., Inc., Detroit, Mich.
Shallcross Mfg. Co., Collingdale, Pa.
Trumbull Electric Mfg. Co., Plainville, Conn.
Weltronic Co., Detroit, Mich.

SWITCHES, Safety

Arrow-Hart & Hegeman Electric Co., Hartford, Conn.
Crouse-Hinds Co., Syracuse, N. Y.
Cutler-Hammer, Inc., Milwaukee, Wis.
Electric Controller & Mfg. Co., Cleveland, Ohio
Federal Electric Products Co., Newark, N. J.
Trumbull Electric Mfg. Co., Plainville, Conn.
Westinghouse Electric Corp., Pittsburgh, Pa.

SWITCHES, Stepping

Clare, C. P., & Co., Chicago, Ill.
Federal Telephone & Radio Corp., Clifton, N. J.
Industrial Timer Corp., Newark, N. J.
Minneapolis-Honeywell Reg. Co., S. Minneapolis, Minn.
Ohmite Mfg. Co., Chicago, Ill.
Shallcross Mfg. Co., Collingdale, Pa.

TABLES, Welding

Aronson Machine Co., Arcade, N. Y.
Bentley Welders, Inc., Syracuse, N. Y.
Chicago Hardware Foundry Co., North Chicago, Ill.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Graves, Ed. J., Jamestown, N. Y.
Hamilton Tool Co., The, Hamilton, Ohio
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros., Co., Troy, Ohio
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Lyon Metal Products, Inc., Aurora, Ill.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Peck, Cecil C., Co., Cleveland, Ohio
Ransome Machinery Co., Dunellen, N. J.
Victor Equipment Co., San Francisco, Calif.
Wiese Plow Welding Co., Perry, Iowa
Williams & Co., Inc., Pittsburgh, Pa.

TABLETS, Salt

(See: "Salt Tablets, and Dispensers")

TAPES, Measuring

Dietzgen, Eugene Co., Chicago, Ill.
Keuffel & Esser Co., Hoboken, N. J.
Lufkin Rule Co., The, Saginaw, Mich.
Master Rule Mfg. Co., Inc., New York, N. Y.
Omicron Co., The, Glendale, Calif.
Starrett, L. S., Co., The, Athol, Mass.

TEMPERATURE-INDICATING PELLETS

Gordon, Claud S. Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Tempil Corp., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

TERMINALS, Cable

(See: "Connectors, Cable," "Lugs, Welding Cable")

TESTING EQUIPMENT, Hardness

American Machine & Metals, Inc., East Moline, Ill.
Ames, B. C., Co., Waltham, Mass.
Baldwin Locomotive Works, The, Philadelphia, Pa.
Buehler, Ltd., Chicago, Ill.
Detroit Testing Machine Co., Detroit, Mich.
Eastern Welding Equipment Co., New York, N. Y.
Gordon, Claud S. Co., Chicago, Ill.
Riehle Testing Machine Div., American Machine & Metals, Inc., East Moline, Ill.
Steel City Testing Machines, Inc., Detroit, Mich.
Wilson Mechanical Instrument Co., Inc., New York, N. Y.

TESTING EQUIPMENT, Tensile

Air Reduction Sales Co., New York, N. Y.
Baldwin Locomotive Works, The, Philadelphia, Pa.
Buehler Ltd., Chicago, Ill.
Detroit Testing Machine Co., Detroit, Mich.
Dillon & Co., Inc., W. C., Chicago, Ill.
Gordon, Claud S. Co., Chicago, Ill.
Independent Engineering Co., O'Fallon, Ill.
Linde Air Products Co., The, New York, N. Y.
Paulsen-Webber Cordage Corp., New York, N. Y.
Precision Scientific Co., Chicago, Ill.
Riehle Testing Machine Div., American Machine and Metals, Inc., East Moline, Ill.
Steel City Testing Machines, Inc., Detroit, Mich.
Streeter-Amet Co., Chicago, Ill.
Watson-Stillman Co., Roselle, N. J.

THERMIT, Equipment & Supplies

Metal & Thermit Corp., New York, N. Y.

TIMERS, Resistance-Welding

(See also: "Controls, Resistance Welding," "Electronic Control, Resistance Welding")

Automatic Temperature Control Co., Philadelphia, Pa.
Central Sales Corp., The, Chicago, Ill.

Clark Controller Co., The, Cleveland, Ohio
Cramer, R. W. Co., Inc., Centerbrook, Conn.
Eisler Engineering Co., The, Newark, N. J.
Electric Controller & Mfg. Co., The, Cleveland, Ohio
Electronic Controls, Inc., Newark, N. J.
Electronic Products Co., N. Aurora, Ill.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hercules Elec. & Mfg. Co., Inc., Brooklyn, N. Y.
Hoffman R. W. Co., Inc., Chicago, Ill.
Industrial Timer Corp., Newark, N. J.
Metron Instrument Co., Denver, Colo.
National Time & Signal Corp., Detroit, Mich.
Peck, Cecil C. Company, Cleveland, Ohio
Photoswitch, Inc., Cambridge, Mass.
Photovolt Corp., New York, N. Y.
Peer Incorporated, Benton Harbor, Mich.
Potter Instrument Co., Long Island City, N. Y.
Raytheon Mfg. Co., Waltham, Mass.
Rees, Inc., Mackworth, G., Detroit, Mich.
Ripley Co., Inc., Middletown, Conn.
Sciaky Bros., Chicago, Ill.
Square D Co., Milwaukee, Wis.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Swift Electric Welder Co., Detroit, Mich.
Thermo Electric Mfg. Co., Dubuque, Iowa
Taylor-Winfield Corp., The, Warren, Ohio
Vangtronic Corp., The, Bridgeport, Conn.
Weltronic Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.

TINNING COMPOUNDS

(See: "Compounds, Tinning")

TIP CLEANERS

Air Reduction Sales Co., New York, N. Y.
Arc Welding Supply Co., Bronx, N. Y.
Atlas Welding Accessories Co., Ferndale, Mich.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equip. Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Industrial Air Prod. Co., Portland, Oreg.
Imperial Brass Mfg. Co., Chicago, Ill.
Keilte Products, Inc., Los Angeles, Calif.
Klem Chemicals, Inc., Dearborn, Mich.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Maitlen & Benson, Inc., Long Beach, Calif.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
Marquette Mfg. Co., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
New Mexico Steel Co., Albuquerque, New Mexico
Oakite Products, Inc., New York, N. Y.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Oxweld Railroad Service Co., The, Chicago, Ill.
Ragle, J. M. Industries, Kansas City, Mo.
Randall Mfg. Co., North Kansas City, Mo.
Sight Feed Generator Co., West Alexandria, Ohio
Taylor-Winfield Corp., The, Warren, Ohio
Thermacote Co., Los Angeles, Calif.
Smith Welding Equip. Corp., Minneapolis, Minn.
Victor Equipment Co., San Francisco, Calif.
Welding Equipment Service Co., El Paso, Texas
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.
Wolfe-Kote Co., Inc., Sheboygan, Wis.

TIPS, Cutting Flame

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Black Mfg. Co., The, Baltimore, Md.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Welding & Equipment Co., Boston, Mass.
Goss Gas, Inc., Pittsburgh, Pa.
Imperial Brass Mfg. Co., The, Chicago, Ill.
K-G Welding & Cutting Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Metro Mfg. Co. L. I. City, N. Y.
Milburn, Inc., Alexander, Baltimore, Md.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Welders Supply & Mfg. Co., The, Cincinnati, Ohio
Weldit, Inc., Detroit, Mich.

TIPS, Soldering

Acet-A-Tip Co., Chicago, Ill.
Air Products, Inc., Allentown, Pa.
American Oxygen Service Corp., Harrison, N. J.
Anzick Mfg. Co., Van Dyke, Mich.
Bastian-Blessing Co., The, Chicago, Ill.
Beaverdell Co., Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio.
Cesco Products, Inc., Chicago, Ill.
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Electric Soldering Iron Co., Inc., Deep River, Conn.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Fansteel Metallurgical Corp., North Chicago, Ill.
General Welding & Equipment Co., Boston, Mass.
Imperial Brass Mfg. Co., Chicago, Ill.
K-G Welding and Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The Wall Chemicals Div., Chicago, Ill.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Welders Supply Co., Charlotte, N. C.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Purity Cylinder Gases Inc., Grand Rapids, Mich.
Ragle Industries, J. M., Kansas City, Mo.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Smith Welding Equip Corp., Minneapolis, Minn.
Stanley Tools, Div. of the Stanley Works, New Britain, Conn.
Superior Oxy-Acetylene Mach Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Welders Supply & Mfg. Co., The, Cincinnati, Ohio
Weldit, Inc., Detroit, Mich.
White, L. B., Co., La Crosse, Wis.

TIPS, Welding, Gas

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Black Mfg. Co., The, Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
General Welding & Equip. Co., Boston, Mass.
Goss Gas, Inc., Pittsburgh, Pa.
Imperial Brass Mfg. Co., The, Chicago, Ill.
K-G Welding & Cutting Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metro Mfg. Co., L. I. City, N. Y.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Ragle, J. M., Industries, Kansas City, Mo.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., Detroit, Mich.
Welders Supply & Mfg. Co., The, Cincinnati, Ohio
Weldit, Inc., Detroit, Mich.
White, L. B., Co., La Crosse, Wis.
Williams & Co., Inc., Pittsburgh, Pa.

TOOLS, Beveling for Welding Pipe

Beaver Pipe Tools, Inc., Warren, Ohio
Oster Mfg. Co., The, Cleveland, Ohio

TOOLS, Crimping

Aircraft-Marine Products, Inc., Harrisburg, Pa.
Burndy Engineering Co., Inc., New York, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.
U. S. Steel Supply Co., Chicago, Ill.
Wagner Mfg. Co., Jackson, Mo.

TOOLS, Swedging

Wagner Mfg. Co., Jackson, Mo.

TOOLS, Weld-Cleaning

(See also: "Brushes," "Weld-Cleaning," "Hammers, Chipping and Scaling (Hand), Electric, Pneumatic, Etc.")

Air Reduction Sales Co., New York, N. Y.
Atlas Welding Accessories Co., Ferndale, Mich.
Black & Decker Mfg. Co., The, Towson, Md.
Buckeye Tool Corp., Dayton, Ohio
Carter-Lockard Co., Los Angeles, Calif.
Chicago Pneumatic Tool Co., New York, N. Y.
Cincinnati Tool Co., Norwood, Cincinnati, Ohio
Coast Pneumatic Tool Co., Los Angeles, Calif.
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Manufacturing Brush Co., The, Cleveland, Ohio
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Master Pneumatic Tool Co., Inc., Orwell, Ohio
O.K.I. Welding Supply Co., Cincinnati, Ohio.
Osborn Manufacturing Co., The, Cleveland, Ohio
Precision Welder Mfg. Co., Chicago, Ill.
Quality Tools Corp., New Wilmington, Pa.
Rotor Tool Co., The, Cleveland, Ohio
Skilsaw, Inc., Chicago, Ill.
Superior Pneumatic Division of Herband Tools, Cleveland, Ohio
Universal Welder Corp., Cleveland, Ohio
Van Dorn Electric Tool Co., Towson, Md.
Weldit, Inc., Detroit, Mich.

TOOL, Trepanning

Fibre-Metal Products Co., The, Chester, Pa.

TORCH LIGHTERS

(See: "Lighters, Torch")

TORCHES, Arc

(See: "Torches, Carbon Arc")

TORCHES, Atomic-Hydrogen

Burdett Oxygen Co., Cleveland, Ohio
General Electric Co., Schenectady, N. Y.

TORCHES, Blow, Hand—Alcohol, Gasoline, Kerosene, Gas

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Bastian-Blessing Co., The, Chicago, Ill.
Bernz, Otto, Co., Inc., Rochester, N. Y.
Clayton & Lambert Mfg. Co., Louisville, Ky.
Clements Mfg. Co., Chicago, Ill.
Diener, Geo. W., Mfg. Co., Chicago, Ill.
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Insto-Gas Corp., Detroit, Mich.

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Smith Corp., A. O., Milwaukee, Wis.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Tri-Arc Corp., Chicago, Ill.
Trindl Products Ltd., Chicago, Ill.
Turner Brass Works, The, Sycamore, Ill.
Twentieth Century Mfg. Co., Minneapolis, Minn.
Unique Mfg. Co., Inc., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Service Sales, Inc., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Williams & Co., Inc., Pittsburgh, Pa.

TORCHES, Blow, Portable—Gasoline, Kerosene, Distillate, Gas

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Bernz, Otto, Co., Inc., Rochester, N. Y.
Clayton and Lambert Mfg. Co., Louisville, Ky.
Clements Mfg. Co., Chicago, Ill.
Gem Manufacturing Co., Pittsburgh, Pa.
Goss Gas, Inc., Pittsburgh, Pa.
Hauck Manufacturing Co., Brooklyn, N. Y.
Insto-Gas Corp., Detroit, Mich.
Johnson Gas Appliance Co., Cedar Rapids, Iowa (Tank gas).
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y. (Acetylene).
MacLeod Co., The, Cincinnati, Ohio
National Welding Equipment Co., Ltd., San Francisco, Calif.
Pressure Products Corp., Chicago, Ill.
Torit Manufacturing Co., St. Paul, Minn. (Kerosene only).
Turner Brass Works, The, Sycamore, Ill.
Unique Mfg. Co., Inc., Chicago, Ill.

TORCHES, Brazing

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equip. Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
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Lee, K. O., Co., Aberdeen, S. D.
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Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mid-States Welder Mfg. Co., Chicago, Ill.
Milburn, Inc., Alexander, Baltimore, Md.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Precision Welder Mfg. Co., Chicago, Ill.
Purity Cylinder Gases, Inc., Grand Rapids, Mich.
Sight Feed Generator Co., The, West Alexandria, Ohio
Smith Welding Equip. Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Machine Co., The, Hamilton, Ohio
Torit Mfg. Co., St. Paul, Minn.
Trindl Products, Ltd., Chicago, Ill.
Turner Brass Works, The, Sycamore, Ill.
Victor Equipment Co., San Francisco, Calif.
Welders Supply & Mfg. Co., The, Cincinnati, Ohio
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

TORCHES, Carbon-Arc

Allen Electric and Equip. Co., Kalamazoo, Mich.
Albert & J. M. Anderson Mfg. Co., S. Boston, Mass.
American Oxygen Service Corp., Harrison, N. J.
Borm Mfg. Co., Elgin, Ill.
Cesco Products, Inc., Chicago, Ill.
Chicago Tool & Engineering Co., Chicago, Ill.
Craftsweld Equipment Corp., Long Island City, N. Y.
Electric Arc, Inc., Newark, N. J.
Ergolyte Mfg. Co., Philadelphia, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Hammet Elec. Mfg. Co., Kansas City, Mo.
Hollup Corp., Chicago, Ill.
Lincoln Electric Co., Cleveland, Ohio
Marquette Mfg. Co., Inc., Minneapolis, Minn.
National Welders Supply Co., Charlotte, N. C.
Patent Specialties, Inc., Miami, Fla.
Philips, C. E., & Co., Detroit, Mich.
Precision Welder Mfg. Co., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Twentieth Century Mfg. Co., Minneapolis, Minn.

TORCHES, Cutting Flame

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equip. Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Douglass Pipe Mach. Co., Monrovia, Calif.
Eclipse Fuel Engineering Co., Rockford, Ill.
General Welding & Equip. Co., Boston, Mass.
Goss Gas, Inc., Pittsburgh, Pa.
Hamilton Tool Co., The, Hamilton, Ohio
Harris Calorific Co., The, Cleveland, Ohio
Imperial Brass Mfg. Co., The, Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
K-G Welding & Cutting Co., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chem. Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Metro Mfg. Co., Long Island City, N. Y.
Milburn, Inc., Alexander, Baltimore, Md.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Nageldinger & Son, Inc., J., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxo Welding Equip. Co., Chicago, Ill.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Sight Feed Generator Co., West Alexandria, O.
Smith Welding Equip. Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Machine Co., The, Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

TORCHES, Cutting Underwater

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Oxygen Service Corp., Harrison, N. J.
Bastian-Blessing Co., The, Chicago, Ill.
Chicago Tool and Engineering Co., Chicago, Ill.
Craftsweld Equip. Corp., Long Island City, N. Y.
Harris Calorific Co., The, Cleveland, Ohio
Industrial Air Prod. Co., Portland, Oreg.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Thompson Engineering Co., Grand Rapids, Mich.
Victor Equipment Co., San Francisco, Calif.
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TORCHES, Powder-Cutting

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y.
National Cylinder Gas Co., Chicago, Ill.
Oxweld Railroad Service Co., The, Chicago, Ill.

TORCHES, Powder-Welding

Air Products, Inc., Allentown, Pa.
Powder Weld Process Co., The, Brooklyn, N. Y.
Victor Equipment Co., San Francisco, Calif.
Wall Colmonoy Corp., Detroit, Mich.

TORCHES, Preheating

Aeroil Products Co., Inc., South Hackensack, N. J.
Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Borm Mfg. Co., Elgin, Ill.
Burdett Oxygen Co., The, Cleveland, Ohio
Cesco Products, Inc., Chicago, Ill.
Clayton & Lambert Mfg. Co., Detroit, Mich.
Craftsweld Equipment Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Eclipse Fuel Engineering Co., Rockford, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Harris Calorific Co., The, Cleveland, Ohio
Hauck Mfg. Co., Brooklyn, N. Y.
Holden, A. F. Co., The, New Haven Conn.
Insto-Gas Corp., Detroit, Mich.
Linde Air Products Co., The, New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
MacLeod Co., The, Cincinnati, Ohio
Mahr Mfg. Co., Div. Diamond Iron Works, Minneapolis, Minn.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Peterson Welding Lab., Kansas City, Mo.
Purity Cylinder Gases, Inc., Grand Rapids, Mich.
Sight Feed Generator Co., West Alexandria, Ohio.
Smith Welding Equipment Corp., Minneapolis, Minn.
Unique Mfg. Co., Inc., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
White, L. B., Co., La Crosse, Wis.

TORCHES, Welding, Gas

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
Albert & J. M. Anderson Mfg. Co., Boston, Mass.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bastian-Blessing Co., Chicago, Ill.
Black Mfg. Co., The, Baltimore, Md.
Burdett Oxygen Co., Cleveland, Ohio
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Craftsweld Equip. Corp., Long Island City, N. Y.
Dill Mfg. Co., Cleveland, Ohio
Dockson Corp., Detroit, Mich.
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Eutectic Welding Alloys Corp., Flushing, N. Y.
General Welding & Equipment Co., Boston, Mass.
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Harris Calorific Co., The, Cleveland, Ohio
Imperial Brass Mfg. Co., Chicago, Ill.
Insto-Gas Corp., Detroit, Mich.
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K-G Welding & Cutting Co., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.

Metro Mfg. Co., Long Island City, N. Y.
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Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., St. Louis, Mo.
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National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxo Welding Equip. Co., Chicago, Ill.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Rail Supply Co., New York, N. Y.
Reiner & Campbell Co., Inc., Elizabeth, N. J.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equipment Corp., Minneapolis, Minn.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Thompson Engineering Co., Grand Rapids, Mich.
Torit Mfg. Co., St. Paul, Minn.
Victor Equipment Co., San Francisco, Calif.
Welders Supply & Mfg. Co., Cincinnati, Ohio
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.
Sight Feed Generator Co., West Alexandria, Ohio

TOTALIZERS, Arc Time

D-V Welding Controls, Oakland, Calif.
Harnischfeger Corp., Milwaukee, Wis.

TRAILERS, Welder

A. C. Devices & Products, Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Sciaky Bros., Chicago, Ill.
Shrader, F. W., Co., Culver City, Calif.
Universal Welder Corp., Cleveland, Ohio
Victor Equipment Co., San Francisco, Calif.
Westinghouse Electric Corp., Pittsburgh, Pa.

TRANSFORMERS, Arc Welding

(See: "Welders, Arc, A-C")

TRANSFORMERS, Resistance Welding

Acme Electric Welder Co., Los Angeles, Cal.
Acro Welder Mfg. Co., Milwaukee, Wis.
American Transformer Co., Newark, N. J.
Banner Mfg. Co., Milwaukee, Wis.
Birdsell Mfg. Co., Inc., Mountain View, Calif.
Detroit Electronic Products Co., Detroit, Mich.
Eisler Engineering Co., Inc., Newark, N. J.
Electric Arc, Inc., Newark, N. J.
Eutectic Welding Alloys Corp., Flushing N. Y.
Franklin Transformer Mfg. Co., Minneapolis, Minn.
General Electric Co., Schenectady, N. Y.
Gulow Corp., The, New York, N. Y.
Hampton Electric Mfg. Co., Pittsburgh, Pa.
Hercules Electric & Mfg. Co., Inc., Brooklyn, N. Y.
Hobart Bros., Co., Troy, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Link Welder Corp., Detroit, Mich.
Marcus Transformer Co., Inc., Hillside, N. J.
Martin Electric Co., Detroit, Mich.
Miller Electric Mfg. Co., Appleton, Wis.
Peer Incorporated, Benton Harbor, Mich.
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Precision Welder Mfg. Co., Chicago, Ill.
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Resistance Welder Corp., Detroit, Mich.
Rex Welder & Engineering Co., Kansas City, Mo.
Sciaky Bros., Chicago, Ill.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio
Thompson Electric Welder Co., Lynn, Mass.
Universal Welder Corp., Cleveland, Ohio
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.
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TRIMMERS, Flash

(See: Flash, Trimmers)

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Columbus-McKinnon Chain Corp., Tonawanda, N. Y.
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Oxweld Railroad Service Co., The, Chicago, Ill.
Harrington Co., Philadelphia, Pa.
Round, David & Son, Cleveland, Ohio
Stryco Mfg. Co., San Francisco, Calif.
Whiting Corp., Harvey, Ill.
Wright Hoist Div. of American Chain & Cable Co., Inc., York, Pa.

TRUCKS, Cylinder

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American Metal Prod. Co., Worcester, Mass.
American Oxygen Service Corp., Harrison, N. J.
Beaverdell Co., Chicago, Ill.
Cesco Products, Inc., Chicago, Ill.
Dockson Corp., Detroit, Mich.
Dur-A-Bilt Products, Sussex, Wis.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Gar-Bro. Mfg. Co., Los Angeles, Calif.
Gellid Engineering Corp., Oak Park, Ill.
Grand Specialties Co., Chicago, Ill.
Industrial Products Co., Philadelphia, Pa.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
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National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld R. R. Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Pioneer Welding Mfg. Co., Kalamazoo, Mich.
Randall Mfg. Co., North Kansas City, Mo.
Revolvator Co., North Bergen, N. J.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Co., Gordon, Bowling Green, Ky.
Southern Oxygen Co., Inc., Washington, D. C.
Stuart Oxygen Co., San Francisco, Calif.
Superior Oxy-Acetylene Machine Co., The, Hamilton, Ohio
Syracuse Alloy Metals Corp., Syracuse, N. Y.
Victor Equipment Co., San Francisco, Calif.
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Weldit, Inc., Detroit, Mich.
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Youngstown Foundry & Machine Co., Youngstown, Ohio

TUBES, Power Conversion

(See: "Electronic Tubes")

TUBES, Power Rectifier

(See: "Electronic Tubes")

TUBES, Welding Control

(See: "Electronic Tubes")

TUBING, Aluminum

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Bissett Steel Co., The, Cleveland, Ohio
Blum, Julius & Co., Inc., New York, N. Y.
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Revere Copper & Brass, Inc., New York, N. Y.
Reynolds Metals Co., Louisville, Ky.
Steel Sales Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
United Wire & Supply Corp., Cranston, R. I.

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Bridgeport Brass Co., Bridgeport, Conn.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Imperial Brass Mfg. Co., Chicago, Ill.
Mueller Brass Co., Port Huron, Mich.
Parker Alliance Co., Inc., The, Cleveland, Ohio
Phelps Dodge Copper Products Corp., New York, N. Y.
Revere Copper & Brass, Inc., New York, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Steel Sales Corp., Chicago, Ill.
United Wire & Supply Corp., Cranston, R. I.

TUBING, Steel

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Armco Drainage & Metal Products, Inc., Middletown, Ohio
Babcock & Wilcox Tube Co., The, Alliance, Ohio (welded) and Beaver Falls, Pa. (seamless).
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Bissett Steel Co., The, Cleveland, Ohio
Blum, Julius & Co., Inc., New York, N. Y.
Braun, J. G. Co., Chicago, Ill.
Bundy Tubing Co., Detroit, Mich.
Byers Co., A. M., Pittsburgh, Pa.
Carpenter Steel Co., The, Reading, Pa.
Castel, A. M., & Co., Chicago, Ill.
Central Steel and Wire Co., Chicago, Ill.
Crucible Steel Co. of America, New York, N. Y.
Globe Steel Tubes Co., Milwaukee, Wis.
Industrial Overlay Metals, Inc., Eaton, Ohio
Jones & Laughlin Steel Corp., Pittsburgh, Pa.
Michigan Steel Tube Products Co., Detroit, Mich.
National Tube Co., Div., U. S. Steel Corp., Pittsburgh, Pa.
Ohio Seamless Tube Co., The, Shelby, Ohio
Pittsburgh Steel Co., Pittsburgh, Pa.
Republic Steel Corp., Cleveland, Ohio
Revere Copper & Brass, Inc., New York, N. Y.
Ryerson, Joseph T. & Sons, Inc., Chicago, Ill.
Standard Tube Co., The, Detroit, Mich.
Steel Sales Corp., Chicago, Ill.
Superior Tube Co., Norristown, Pa.
Superior Steel Corp., Chicago, Ill.
Trent Tube Co., Div. of Crucible Steel Co., East Troy, Wis. (stainless and inconel only).
Timken Roller Bearing Co., Steel and Tube Div., Canton, Ohio
Tubular Alloy Steel Corp., Gary, Ind.
Tubular Service Corp., New York, N. Y.

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Williams & Co., Inc., Pittsburgh, Pa.
Youngstown Sheet & Tube Co., The, Youngstown, Ohio
Youngstown Welding & Engineering Co., The, Youngstown, Ohio

TUNGSTEN ELECTRODE

(See: "Electrode, Tungsten")

TURNING ROLLS

(See: "Rolls, Turning")

UNDERWATER EQUIPMENT

(See: "Torches, Cutting Underwater," "Electrodes, Arc-Oxygen," "Electrodes, Underwater, Welding," "Welding and Cutting Equipment Underwater")

UNIONS, Hose

Burdett Oxygen Co., Cleveland, Ohio
Craftsweld Equip. Corp., Long Island City, N. Y.
Fauver, J. N. Co., Inc., Detroit, Mich.
Goss Gas, Inc., Pittsburgh, Pa.
Industrial Air Prod. Co., Portland, Oreg.
Mallory, P. R. & Co., Inc., Indianapolis, Ind.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Miles, John R. R., Inc., Minneapolis, Minn.
Nageldinger & Son, Inc., J., New York, N. Y.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Passche Airbush Co., Chicago, Ill.
Sight Feed Generator Co., West Alexandria, Ohio
Smith Welding Equip. Corp., Minneapolis, Minn.

VALVES, Air Line

Automatic Temperature Control Co., Inc., Phila., Pa.
Bastian-Blessing Co., The, Chicago, Ill.
Black Manufacturing Co., Baltimore, Md.
Brunner Manufacturing Co., Utica, N. Y.
Cash, A. W., Valve Mfg. Co., Decatur, Ill.
Clark Controller Co., The, Cleveland, Ohio
Cleco Div., Reed Roller Bit Co., Houston, Texas
Dallett Co., The, Philadelphia, Pa.
Darling Valve & Mfg. Co., Williamsport, Pa.
Dixon Valve & Coupling Co., Philadelphia, Pa.
Everlasting Valve Co., Jersey City, N. J.

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Farris Engineering Co., Palisades Park, N. J.
Fibre-Metal Products Co., The, Chester, Pa.
Hancock Valve Division, Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
Hannifin Corp., Chicago, Ill.
Hoke, Inc., Englewood, N. J.
Homestead Valve Mfg. Co., Coraopolis, Pa.
Hose Accessories Co., Philadelphia, Pa.
Hunt, C. B., & Son, Salem, Ohio
Jenkins Bros., New York, N. Y.
Knox Mfg. Co., Philadelphia, Pa.
Kunkle Valve Co., Fort Wayne, Ind.
Leslie Co., Lyndhurst, N. J.
Lincoln Engineering Co., St. Louis, Mo.
Lonergan, J. E., Co., Philadelphia, Pa.
Lunkenheimer Co., The, Cincinnati, Ohio
Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
Mason-Neilan Regulator Co., Boston, Mass.
Nageldinger & Son, Inc., J., New York, N. Y.
National Welding Equipment Co., Ltd., San Francisco, Calif.
Norgren Co., C. A., Denver, Colo.
Ohio Injector Co., The, Wadsworth, Ohio
Paasche Airbrush Co., Chicago, Ill.
Parker Appliance Co., The, Cleveland, Ohio

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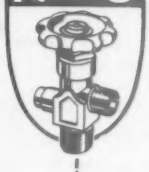

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BASTIAN-BLESSING
4201 W. Patterson Ave. Chicago 30, Ill.

Powell, Wm. Co., The, Cincinnati, Ohio
R. S. Products Corp., Philadelphia, Pa.
Progressive Welder Co., Detroit, Mich.
Rotor Tool Co., Cleveland, Ohio
Schrader's, A., Son, Division of Scovill Manufacturing Co., Inc., Brooklyn, N. Y.
Snap-Tite, Inc., Erie, Pa.
Stewart-Warner Corp., Chicago, Ill.
Superior Valve & Fittings Co., Pittsburgh, Pa.
Taylor-Winfield Corp., The, Warren, Ohio

VALVES, Cylinder

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J.
Bastian-Blessing Co., The, Chicago, Ill.
Burdett Oxygen Co., Cleveland, Ohio
Crane Co., Chicago, Ill.
Darling Valve & Mfg. Co., Williamsport, Pa.
Hannifin Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Kerotest Mfg. Co., Pittsburgh 22, Pa.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Nageldinger & Son, Inc., J., New York, N. Y.
Security Valve Co., Los Angeles, Calif.
Superior Valve & Fitting Co., Pittsburgh, Pa.
Victor Equipment Co., San Francisco, Calif.

VALVES, Oxygen-Cushioned

Chek-Shock Mfg. Co., Fowler, Calif.
Industrial Air Prod. Co., Portland, Oreg.

VALVES, Piping

American Car and Foundry Co., New York, N. Y.
Bastian-Blessing Co., The, Chicago, Ill.
Chase Brass & Copper Co., Waterbury, Conn.
Crane Co., Chicago, Ill.
Darling Valve & Mfg. Co., Williamsport, Pa.
Farris Engineering Corp., Palisades Park, N. J.
Haynes Stellite Co., New York, N. Y.
Kunkle Valve Co., Ft. Wayne, Ind.
Lukenheimer Co., The, Cincinnati, Ohio
Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
Nageldinger & Son, Inc., J., New York, N Y.
National Welding Equipment Co., San Francisco, Calif.
Nelson, Herman, Div., American Air Filter Co., Inc., Moline, Ill.
R. P. & C. Valve Div. of American Chain & Cable Co., Inc., Reading, Pa.
R-S Products Corp., Philadelphia, Pa.
Sherman, H B. Mfg. Co., Battle Creek, Mich.
Superior Valve & Fittings Co., Pittsburgh, Pa.
United Blower Co., Inc., New York, N. Y.
Watson-Stillman Co., Roselle, N. J.
Youngstown Welding & Engineering Co., The, Youngstown, Ohio

VENTILATING APPARATUS

(See also: "Hose, Ventilating." Also See: "Fans," "Exhaust," "Collectors, Exhausters and Blower Systems," Etc.)

Aget-Detroit Mfg. Co., Ann Arbor, Mich.
Air Reduction Sales Co., New York, N. Y.
Aluminum Products Co., San Francisco, Calif.
Chelsea Fan & Blower Co., Inc., Irvington, N. J.
De Bothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill.
Detroit Stamping Co., Detroit, Mich.
General Blower Co., Chicago, Ill.
Ilg Elec. Ventilating Co., Chicago, Ill.
Metal Bond Mfg. Co., St. Louis, Mo.
Mine Safety Appliances Co., Pittsburgh, Pa.
R. S. Products Corporation, Philadelphia, Pa.
Ruemelin Mfg. Co., Milwaukee, Wis.
Schneible, Claude B., Co., Chicago, Ill.
Smith Corp., A. O., Milwaukee, Wis.
Standard Safety Equipment Co., Chicago, Ill.
Torit Mfg. Co., St. Paul, Minn.
United Blower Co., New York, N. Y.
Victor Equipment Co., San Francisco, Calif.
Whiting Corp., Harvey, Ill.
Wilson Welder & Metals, Inc., New York, N. Y.

VISES, Bench

American Chain Division of American Chain & Cable Co., Inc., York, Pa.
American Scale Co., Kansas City, Mo.
Athol Machine & Foundry Co., Athol, Mass.
Cardinal Machine Co., Glendale, Calif.
Columbian Vise & Mfg. Co., The, Cleveland, Ohio
Cumming Tools, Inc., Kansas City, Mo.
Desmond-Stephan Mfg. Co., Urbana, Ohio
Disston, Henry & Sons, Inc., Tacony, Philadelphia, Pa.
Grand Specialties Co., Chicago, Ill.
Hannifin Corp., Chicago, Ill.
Hollands Mfg. Co., Erie, Pa.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kempsmith Machine Co., Chicago, Ill.
Mechanics Engineering Co., Inc., Jackson, Mich.
Morgan Vise Co., Chicago, Ill.
Parker, Charles, Co., The, Meriden, Conn.
Peck, Stow & Wilcox Co., Southington, Conn.
Production Devices, Inc., Whitehall, N. Y.
Reed Mfg. Co., Erie, Pa.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Ridge Tool Co., The, Elyria, Ohio
Stanley Tools, Division of The Stanley Works, New Britain, Conn.
Studebaker Machine Co., Chicago, Ill.
Wilton Tool Mfg. Co., Chicago, Ill.

VISES, Combination

American Scale Co., Kansas City, Mo.
Columbian Vise & Mfg. Co., Cleveland, Ohio
Desmond-Stephan Mfg. Co., The, Urbana, Ohio
Holland Mfg. Co., Erie, Pa.
Morgan Vise Co., Chicago, Ill.
New Hall Chain Forge & Iron Co., Westwood, N. J.
Reed Mfg. Co., Erie, Pa.
Wilton Tool Mfg. Co., Chicago, Ill.

VISES, Hand and Pin

Chicago Tool & Engineering Co., Chicago, Ill.
Millers Falls Co., Greenfield, Mass.
Smith, Seymour & Son, Inc., Oakville, Conn.
Starrett, L. S., Co., The, Athol, Mass.
Studebaker Machine Co., Maywood, Ill.

VISES, Hydraulic

Columbian Vise & Mfg. Co., Cleveland, Ohio
Munton Mfg. Co., Franklin Park, Ill.
Production Devices, Inc., Whitehall, N. Y.

VISES, Machinists'

American Scale Co., Kansas City, Mo.
Athol Machine & Foundry Co., Athol, Mass.
Brown & Sharpe Mfg. Co., Providence, R. I.
Cardinal Machine Co., Glendale, Calif.
Chicago Tool & Engineering Co., Chicago, Ill.
Columbian Vise & Mfg. Co., The, Cleveland, Ohio
Desmond-Stephan Mfg. Co., Urbana, Ohio
Grand Specialties Co., Chicago, Ill.
Hollands Mfg. Co., Erie, Pa.
Kempsmith Machine Co., Chicago, Ill.
Mechanics Engineering Co., Inc., Jackson, Mich.
Morgan Vise Co., Chicago, Ill.
Munton Mfg. Co., Franklin Park, Ill.
National Machine Tool Co., Racine, Wis.
North Bros. Mfg. Co., Division of The Stanley Works, Philadelphia, Pa.
Parker, Charles Co., The, Meriden, Conn.
Production Devices, Inc., Whitehall, N. Y.
Reed Manufacturing Co., Erie, Pa.
Skinner Chuck Co., The, New Britain, Conn.
Stanley Tools Div. of the Stanley Works, New Britain, Conn.
Studebaker Machine Co., Maywood, Ill.
Universal Engineering Co., San Diego, Calif.
Wilton Tool Mfg. Co., Chicago, Ill.

VISES, Pipe

American Pipe Tool Co., Chicago, Ill.
American Scale Co., Kansas City, Mo.
Armstrong Bros. Tool Co., Chicago, Ill.
Athol Machine & Foundry Co., Athol, Mass.
Beaver Pipe Tools, Inc., Warren, Ohio
Bernard Welding Equipment Co., Chicago, Ill.
Billings & Spencer Co., The, Hartford, Conn.
Capewell Mfg. Co., The, Hartford, Conn.
Columbian Vise & Mfg. Co., The, Cleveland, Ohio
Crane Co., Chicago, Ill.
Desmond-Stephan Mfg. Co., Urbana, Ohio
Grand Specialties Co., Chicago, Ill.
Hollands Mfg. Co., Erie, Pa.
Morgan Vise Co., Chicago, Ill.
Nye Tool & Machine Co., Chicago, Ill.
Peerless Machine Co., Racine, Wis.
Reed Manufacturing Co., Erie, Pa.
Ridge Tool Co., The, Elyria, Ohio
Toledo Pipe Threading Machine Co., The, Toledo, Ohio
Trimont Mfg. Co., Div. of Aetna Industrial Corp., Roxbury, Boston, Mass.
Williams. J. H. & Co., Buffalo, N. Y.
Wilton Tool Mfg. Co., Chicago, Ill.

VISES, Pipe, Chain

American Pipe Tool Co., Chicago, Ill.
Armstrong Bros. Tool Co., Chicago, Ill.
Billings & Spencer Co., The, Hartford, Conn.
Hollands Mfg. Co., Erie, Pa.
Nye Tool & Machine Co., Chicago, Ill.
Reed Mfg. Co., Erie, Pa.
Ridge Tool Co., The, Elyria, Ohio
Toledo Pipe Threading Machine Co., The, Toledo, Ohio
Trimont Mfg. Co., Div. of Aetna Industrial Corp., Roxbury, Boston, Mass.
Western Wire Products Co., St. Louis, Mo.
Williams, J. H. & Co., Buffalo, N. Y.

VISES, Pipe, Clamp Base

(See: "Vises, Pipe, Tool Kit and Post")

VISES, Pipe, Combination

American Pipe Tool Co., Chicago, Ill.
American Scale Co., Kansas City, Mo.
Athol Machine & Foundry Co., Athol, Mass.
Bernard Welding Equipment Co., Chicago, Ill.
Columbian Vise & Mfg. Co., The, Cleveland, Ohio
Desmond-Stephan Mfg. Co., Urbana, Ohio
Hollands Mfg. Co., Erie, Pa.
Morgan Vise Co., Chicago, Ill.
Nye Tool Co., Chicago, Ill.
Parker, Charles Co., The, Meriden, Conn.
Reed Manufacturing Co., Erie, Pa.

VISES, Quick Action

American Scale Co., Kansas City, Mo.
Cardinal Machine Co., Glendale, Calif.
Chicago Tool & Engineering Co., Chicago, Ill.
Columbian Vise & Mfg. Co., Cleveland, Ohio
Desmond-Stephan Mfg. Co., Urbana, Ohio
Grand Specialties Co., Chicago, Ill.
Mechanics Engineering Co., Inc., Jackson, Mich.
Morgan Vise Co., Chicago, Ill.
National Machine Tool Co., Racine, Wis.
Production Devices, Inc., Whitehall, N. Y.
Richards-Wilcox Mfg. Co., Aurora, Ill.
Skinner Chuck Co., The, New Britain, Conn.

VISES, Solid Box or Blacksmiths'

Columbian Vise & Mfg. Co., The, Cleveland, Ohio
Fisher & Norris (Eagle Anvil Works), Trenton, N. J.
Reed Manufacturing Co., Erie, Pa.

VISES, Steamfitters'

(Also see: "Vises, Bench, or Vise, Machinists")

Parker, Charles, Co., The, Meriden, Conn.
Trimont Mfg. Co., Div. of Aetna Industrial Corp., Roxbury, Boston, Mass.
Wilton Tool Mfg. Co., Chicago, Ill.

VOLTAGE REGULATORS, Arc

Air Reduction Sales Co., New York, N. Y.
Federal Telephone & Radio Corp., New York, N. Y.
Glenn-Roberts Co., Oakland, Calif.
Gulow Corp., New York, N. Y.
Mullenbach Electrical Mfg. Co., Los Angeles, Calif.
Raytheon Mfg. Corp., Waltham, Mass.
Weltronic Co., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.

WEDGE BARS

American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
American Oxygen Service Corp., Harrison, N. J.
Burdett Oxygen Co., The, Cleveland, Ohio
Industrial Air Prod. Co., Portland, Oreg.
Leetonia Tool Co., The, Leetonia, Ohio
O. K. I. Welding Supply Co., Cincinnati, Ohio
Standard Steel & Wire Co., Bolivar, Pa.
Stulz-Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.

WELD-CLEANING BRUSHES

(See: "Brushes, Weld-Cleaning")

WELDER, Mobile, Truck or Pickup

Couse Manufacturing, Inc., Newark, N. J.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hebard, W. F., & Co., Chicago, Ill.
Hobart Brothers Co., Troy, Ohio

WELDERS, Arc, A-C

A-C Devices & Products, The, Chicago, Ill.
Adler Mfg. Co., Chicago, Ill.
Air Reduction Sales Co., New York, N. Y.
Allen Electric & Equip. Co., Kalamazoo, Mich.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
Birdsell Mfg. Co., Mountain View, Calif.
Borm Mfg. Co., Elgin, Ill.
Calf-Teria Sales, Inc., Ft. Wayne, Ind.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
Elsler Engineering Co., Inc., Newark, N. J.
Ergolyte Mfg. Co., Philadelphia, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Gaston Power Tools, Chicago, Ill.
General Electric Co., Schenectady, N. Y.
Glenn-Roberts Co., Indianapolis, Ind.
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Hammett Elec. Mfg. Co., Kansas City, Mo.
Harnischfeger Corp., Milwaukee, Wis.
Hercules Elec. & Mfg. Co., Inc., Brooklyn, N. Y.
Hi-Lo Mfg. Co., Detroit, Mich.
Hobart Bros. Co., Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Kern, John A., Co., Chicago, Ill.
Larkin Lectro Products Co., Pine Bluff, Ark.
Leader Welding & Mfg. Co., Berkeley, Calif.
Lee, K. O., Co., Aberdeen, S. D.
Lincoln Electric Co., The, Cleveland, Ohio
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mellaphone Corp., Rochester, N. Y.
Mid-States Welder Mfg. Co., Chicago, Ill.
Miller Elec. Mfg. Co., Inc., Appleton, Wis.
Mitchell Supply Co., Minneapolis, Minn.

(Continued on page 76)

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AC ARC WELDERS

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METAL ZIPPER

A complete welding outfit for every welding need . . . unequalled for all-around performance and efficiency . . . welds all metals, ferrous and non-ferrous, heavy, medium and light, even 22 gauge . . . does brazing, soldering, hard-surfacing and heating with ease . . . shown equipped with "Missing Link" automatic arc stabilizer for peak performance in AC welding . . . uses any type welding rod . . . even beginners do excellent work.

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Versatile torch to assure sound welds on all metals—ferrous and non-ferrous; permits brazing, soldering, hard-surfacing, heating, straightening and bending. For use with any AC or DC electric welder.

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For all welders, AC or DC—the "Missing Link" that permits inert gas shielded welding; eliminates pecking and scratching; starts arc automatically; permits the use of any type welding rod, AC or DC; simplifies all jobs; easily attached to any welder; models for 0-300 amp. and 0-600 amp. welders.

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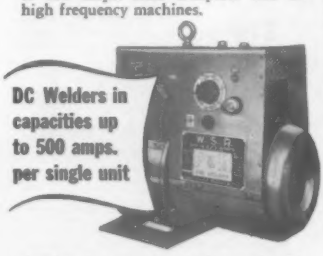

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Milwaukee 14, Wisconsin

HARNISCHFEGER CORPORATION

WELDERS, Arc, AC

(Continued from page 75)

National Welders Supply Co., Charlotte, N. C.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Patent Specialties, Inc., Miami, Fla.
Precision Products Corp., Duluth, Minn.
Precision Welder Mfg. Co., Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Shober-Sales, Inc., Stockton, Calif.
Sight Feed Generator Co., Richmond, Ind.
Smith Corp., A. O., Milwaukee, Wis.
Smith Welding Equipment Corp., Minneapolis, Minn.
Stahmer Farm Equipment Co., Chicago, Ill.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Tnel Mfg. Co., Hornell, N. Y.
Tri-Arc Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
Twentieth Century Mfg. Co., Minneapolis, Minn.
US Electric Welder Corp., Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Apparatus Co., Chicago, Ill.
Welding Engineering Co., Milwaukee, Wis.
Welding Service Sales, Inc., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Will-Weld Mfg. Co., Omaha, Neb.
Wilson Welder & Metals Co., Inc., New York, N. Y.

WELDERS, Arc, D-C

Air Reduction Sales Co., New York, N. Y.
American ELIN Corp., New York, N. Y.
Birdsell Mfg. Co., Inc., Los Altos, Calif.
Burdett Oxygen Co., Cleveland, Ohio
Eisler Engineering Co., Inc., Newark, N. J.
Electric Arc, Inc., Newark, N. J.
General Electric Co., Schenectady, N. Y.
Guyan Machinery Co., Logan, W. Va.
Harnischfeger Corp., Milwaukee, Wis.
Hercules Elec. & Mfg. Co., Inc., Brooklyn, N. Y.
Hobart Bros. Co., Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Kern, John A., Co., Chicago, Ill.
LeJay Mfg. Co., Minneapolis, Minn.
Lincoln Electric Co., The, Cleveland, Ohio
Miller Electric Mfg. Co., Appleton, Wis.
National Cylinder Gas Co., Chicago, Ill.
Schrader Co., F. W., Culver City, Calif.
Sight Feed Generator Co., Richmond, Ind.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Service Sales, Inc., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

WELDERS, Arc, Combination, AC-DC

Burdett Oxygen Co., Cleveland, Ohio
Eisler Engineering Co., Inc., Newark, N. J.
Hobart Bros. Co., Troy, Ohio
Industrial Air Products Co., Portland, Oreg.
Kern, John H., Co., Chicago, Ill.

WELDERS, Arc, Electronic

Burdett Oxygen Co., Cleveland, Ohio
Cesco Products, Inc., Chicago, Ill.
Kern, John H., Co., Chicago, Ill.

WELDERS, Arc, Engine Driven

A-C Devices & Products., Chicago, Ill.
Air Reduction Sales Co., New York, N. Y.
Allmand Bros. Mfg. Co., Holdrege, Neb.
Burdett Oxygen Co., Cleveland, Ohio
Electric Arc, Inc., Newark, N. J.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Brothers Co., Troy, Ohio
Kern, John A., Co., Chicago, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Metal & Thermit Corp., New York 17, N. Y.
Miller Elec. Mfg. Co., Appleton, Wis.
U. S. Steel Supply Co., Chicago, Ill.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

WELDERS, Arc, Inert Gas Shielded

A-C Devices & Products., Chicago, Ill.
Air Reduction Sales Co., New York, N. Y.
Eisler Engineering Co., Inc., Newark, N. J.
General Electric Co., Schenectady, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Brothers Co., Troy, Ohio
Kern, John A., Co., Chicago, Ill.
Linde Air Products Corp., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Mid-States Welder Mfg. Co., Chicago, Ill.
Miller Elec. Mfg. Co., Appleton, Wis.
Oxweld Railroad Service Co., The, Chicago, Ill.
Powder Weld Process Co., The, Brooklyn, N. Y.
Solar Aircraft Co., San Diego, Calif.
Wilson Welder & Metal Co., Inc., New York, N. Y.

WELDERS, Atomic-Hydrogen

Belleville Engineering Co., Newark, N. J.
Burdett Oxygen Co., Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Progressive Welder Co., Detroit, Mich.

WELDERS, Automatic Arc

Agnew Electric Co., Milford, Mich.
American Relay-Welder Co., Newark, N. J.
Auto Arc-Weld Mfg. Co., The, Cleveland, Ohio
Burdett Oxygen Co., Cleveland, Ohio
General Electric Co., Schenectady, N. Y.
Leader Welding & Mfg. Co., Berkeley, Calif.
Lincoln Electric Co., The, Cleveland, Ohio
Mid-States Welder Mfg. Co., Chicago, Ill.
National Cylinder Gas Co., Chicago, Ill.
Nelson Stud Welding Div., Morton Gregory Corp., Lorain, Ohio
Progressive Welder Co., Detroit, Mich.
Reid Avery Co., Dundalk, Baltimore, Md.
Smith, A. O., Corp., Milwaukee, Wis.
Wilson Welder & Metals Co., Inc., New York, N. Y.

WELDERS, Automatic, Submerged Melt

Agnew Electric Co., Milford, Mich.
Auto Arc-Weld Mfg. Co., The, Cleveland, Ohio
Expert Welding Mach. Co., Detroit, Mich.
Gaston Power Tool, Inc., Harvey, Ill.
Lincoln Electric Co., The, Cleveland, Ohio
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y.
Miller Elec. Mfg. Co., Appleton, Wis.
National Machine & Tool Works, Buffalo, N. Y.
Niagara Machine & Tool Works, Buffalo, N. Y.
Oxweld Railroad Service Co., The, Chicago, Ill.
Progressive Welder Co., Detroit, Mich.
Smith, A. O. Corp., Milwaukee, Wis.

WELDERS, Band Saw

Agnew Electric Co., Milford, Mich.
Delta Power Tool Div., Rockwell Mfg. Co., Milwaukee, Wis.
DoAll Co., The, Des Plaines, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Federal Machine & Welder Co., The, Warren, Ohio
Peer, Incorporated, Benton Harbor, Mich.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., Warren, Ohio
Thomson-Electric Welder Co., Lynn, Mass.
Universal Welder Corp., Cleveland, Ohio
Weldex, Inc., Detroit, Mich.
Weldit, Inc., Detroit, Mich.

WELDERS, Bench

Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
American Agile Corp., Cleveland, Ohio
Banner Manufacturing Co., Milwaukee, Wis.
Central Sales Corp., The, Chicago, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Ergolyte Mfg. Co., Philadelphia, Pa.
Expert Welding Mach. Co., Detroit, Mich.
Federal Machine & Welder Co., The, Warren, Ohio
Gaston Power Tools, Chicago, Ill.
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Hoffman R. W. Co., Inc., Chicago, Ill.
Larkin Lectro Products Co., Pine Bluff, Ark.
Lincoln Electric Co., Cleveland, Ohio
Metron Instrument Co., Denver, Colo.
Micro Products Co., Chicago, Ill.
Precision Welder & Machine Co., Cincinnati, Ohio
Progressive Welder Co., Detroit, Mich.
Raytheon Mfg. Co., Equipment Sales Div., Waltham, Mass.
Resistance Welder Corp., Bay City, Mich.
Rex Welder & Engineer Co., Kansas City, Mo.
Sciaky Bros., Chicago, Ill.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor Winfield Corp., Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Topeka Fdry. & Iron Works, Topeka, Kan.
Trindl Products, Ltd., Chicago, Ill.
Tweezer Weld, Div. of Federal Tool Engrg. Inc., Newark, N. J.
Unitek Corp., Pasadena, Calif.
Universal Welder Corp., Cleveland, Ohio
Vangtronic Corp., The, Bridgeport, Conn.
Victor Equipment Co., San Francisco, Calif.
Welding Machines Mfg. Co., Detroit, Mich.
Weldex, Inc., Detroit, Mich.
Weldit, Inc., Detroit, Mich.

WELDERS, Butt

Acme Electric Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wis.

Agnew Electric Co., Milford, Mich.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
American Elec. Fusion Corp., Chicago, Ill.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Banner Manufacturing Co., Milwaukee, Wis.
Central Sales Corp., The, Chicago, Ill.
Coddington, E. D., Mfg. Co., Milwaukee, Wis.
DoAll Co., The, Des Plaines, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Expert Welding Mach. Co., Detroit, Mich.
Federal Mach. & Welder Co., The, Warren, Ohio
Graham Manufacturing Corp., Ferndale, Mich.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Larkin Lectro Products Co., Pine Bluff, Ark.
Link Welder Corp., Detroit, Mich.
Martin Electric Co., Detroit, Mich.
Micro Products Co., Chicago, Ill.
Multi-Hydromatic Welding & Mfg. Co., East Detroit, Mich.
National Elec. Welding Mach. Co., Bay City, Mich.
Oxweld Railroad Service Co., Chicago, Ill.
Peer, Inc., Benton Harbor, Mich.
Precision Welder & Machine Co., Cincinnati, Ohio
Prime Weld Corp., Detroit, Mich.
Raytheon Mfg. Corp., Waltham, Mass.
Resistance Welder Corp., Bay City, Mich.
Rex Welder & Equipment Co., Kansas City, Mo.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Stryco Mfg. Co., San Francisco, Calif.
Swift Elec. Welder Co., Detroit, Mich.
Taylor-Winfield Corp., Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Topeka Fdry. & Iron Wks., Topeka, Kan.
Universal Welder Corp., Cleveland, Ohio
Vangtronic Corp., The, Bridgeport, Conn
Weldex, Inc., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

WELDERS, Flash

Acro Welder Mfg. Co., Milwaukee, Wis.
Agnew Electric Co., Milford, Mich.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
Ames Spotwelder Co., Inc., Brooklyn, N. Y.
Banner Manufacturing Co., Milwaukee, Wis.
Central Sales Corp., The, Chicago, Ill.
DoAll Co., The, Des Plaines, Ill.
Eisler Engineering Co., Inc., Newark, N. J.
Expert Welding Mach. Co., Detroit, Mich.
Federal Mach. & Welder Co., The, Warren, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Larkin Lectro Products Co., Pine Bluff, Ark.
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Multi-Hydromatic Welding & Mfg. Co., East Detroit, Mich.
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Thomson Electric Welder Co., Lynn, Mass.
Topeka Foundry & Iron Works, Topeka, Kan.
Universal Welder Corp., Cleveland, Ohio
Weldex, Inc., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

WELDERS, Gun

Acro Welder Mfg. Co., Inc., Milwaukee, Wis.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
Banner Manufacturing Co., Milwaukee, Wis.
Central Sales Corp., The, Chicago, Ill.
Chicago Tool & Engrg. Co., Chicago, Ill.
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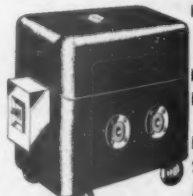
Eisler Engineering Co., Newark, N. J.
Federal Mach. & Welder Co., The, Warren, Ohio



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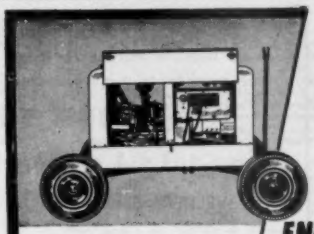

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Stevens, C. H. & Co., South Norwalk, Conn.
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Thomson Electric Welder Co., Lynn, Mass.
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WELDERS, Inert Gas

(See: "Welders, Arc, Inert Gas Shield")

WELDERS, Pressure, Oxy-Acetylene

Black Mfg. Co., Baltimore, Md.
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Oxweld Railroad Service Co., The, Chicago, Ill.
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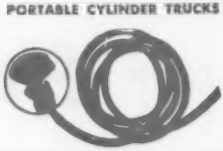

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Welding Machines Mfg. Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.

WELDERS, Rail

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Progressive Welder Co., Detroit, Mich.
Resistance Welder Corp., Detroit, Mich.
Stryco Mfg. Co., San Francisco, Calif.
Thomson Electric Welder Co., Lynn, Mass.

WELDERS, Seam

Acme Electric Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wis.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
American Electric Fusion Corp., Chicago, Ill.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Central Sales Corp., The, Chicago, Ill.
Elsler Engineering Co., Inc., Newark, N. J.
Expert Welding Machine Co., Detroit, Mich.
Federal Mach. & Welder Co., The, Warren, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Larkin Lectro Products Co., Pine Bluff, Ark.
Link Welder Corp., Detroit, Mich.
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Multi-Hydromatic Welding & Mfg. Co., East Detroit, Mich.
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Progressive Welder Co., Detroit, Mich.
Resistance Welder Corp., Bay City, Mich.
Sciaky Bros., Inc., Chicago, Ill.
Sterling Utilities Co., Brooklyn, N. Y.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Universal Welder Corp., Cleveland, Ohio
Victory Engineering & Machine Works, Inc., St. Louis, Mo.
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

WELDERS, Spot

Acme Elec. Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wis.
A-C Devices & Products, The, Chicago, Ill.
Agnew Electric Co., Milford, Mich.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
American Elec. Fusion Corp., Chicago, Ill.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Banner Manufacturing Co., Milwaukee, Wis.
Burdett Oxygen Co., The, Cleveland, Ohio
Central Sales Corp., The, Chicago, Ill.
Coddington, E. D., Mfg. Co., Milwaukee, Wis.
Dalhart Eng. & Mfg. Co., Inc., Van Dyke, Mich.
Delta Power Tool, Div. Rockwell Mfg. Co., Milwaukee, Wis.
DoAll Co., The, Des Plaines, Ill.
Elsler Engineering Co., Inc., Newark, N. J.
Electric Arc, Inc., Newark, N. J.
Electric Welding Machine Co., Detroit, Mich.
Expert Welding Machine Co., Detroit, Mich.
Federal Mach. & Welder Co., The, Warren, Ohio
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Hercules Electric & Mfg. Co., Inc., Brooklyn, N. Y.
Hoffman, Robert W., Co., Inc., Chicago, Ill.
Interstate Machinery Co., Chicago, Ill.
Larkin Lectro Products Co., Pine Bluff, Ark.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Link Welder Corp., Inc., Los Altos, Calif.
Martin Electric Co., Detroit, Mich.
Metron Instrument Co., Denver, Colo.
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Multi-Hydromatic Welding & Mfg. Co., East Detroit, Mich.
National Elec. Welding Mach. Co., Bay City, Mich.
O.K.I. Welding Supply Co., Cincinnati, Ohio
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Precision Welder and Machine Co., Cincinnati, Ohio
Primeweld Corp., Detroit, Mich.
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Raytheon Mfg. Co., Equipment Sales Div., Waltham, Mass.
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Sciaky Bros., Inc., Chicago, Ill.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Hall Welding Corp., Warren, Ohio
Taylor-Winfield Corp., The, Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Tnel Mfg. Co., Hornel, N. Y.
Topeka Foundry & Iron Works, Topeka, Kan.
Tweezer Welder Corp., Newark, N. J.
Unitek Corp., Pasadena, Calif.
Universal Welder Corp., Cleveland, Ohio
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Vangtronic Corp., The, Bridgeport, Conn.
Waltcus Mfg. Co., Chicago, Ill.
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.

WELDERS, Spot (Multiple)

Acme Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wis.
Agnew Electric Co., Milford, Mich.
Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.
Ames Spot Welder Co., Inc., Brooklyn, N. Y.
Central Sales Corp., The, Chicago, Ill.
Dalhart Eng. & Mfg. Co., Inc., Van Dyke, Mich.
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Expert Welding Mach. Co., Detroit, Mich.
Federal Machine & Welder Co., The, Warren, Ohio
Hoffman, R. W. Co., Inc., Chicago, Ill.
Larkin Lectro Prod. Corp., Pine Bluff, Ark.
Link Welder Corp., Detroit, Mich.
Martin Electric Co., Detroit, Mich.
Metron Instrument Co., Denver, Colo.
Multi-Hydromatic Welding & Mfg. Co., East Detroit, Mich.
National Elec. Welding Mach. Co., Bay City, Mich.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Peer Incorporated, Benton Harbor, Mich.
Precision Welder & Machine Co., Cincinnati, Ohio
Primeweld Corp., Detroit, Mich.
Progressive Welder Co., Detroit, Mich.
Resistance Welder Corp., Bay City, Mich.
Rex Welder & Engineering Co., Kansas City, Mo.
Sciaky Bros., Chicago, Ill.
Sterling Utilities Co., Inc., Brooklyn, N. Y.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., The, Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Universal Welder Corp., Cleveland, Ohio
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

WELDERS, Spot (Portable)

A-C Devices Co., Chicago, Ill.
Acme Electric Welder Co., Los Angeles, Calif.
Acro Welder Mfg. Co., Milwaukee, Wis.
Banner Mfg. Co., Milwaukee, Wis.
Birdsell Mfg. Co., Inc., Mountain View, Calif.
Federal Machine and Welder Co., Warren, Ohio
Gaston Power Tools, Inc., Harvey, Ill.
Greyhound A.C. Arc Welder Corp., Brooklyn, N. Y.
Greyhound Electric, Brooklyn, N. Y.
Hoffman, R. W. Co., Inc., Chicago, Ill.
Karma Mfg. Co., Harvey, Ill.
Link Welder Corp., Detroit, Mich.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Martin Electric Co., Detroit, Mich.
Miller Electric Mfg. Co., Appleton, Wis.
O.K.I. Welding Supply Co., Cincinnati, Ohio
Precision Welder and Machine Co., Cincinnati, Ohio
Progressive Welder Co., Detroit, Mich.
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Sciaky Bros., Inc., Chicago, Ill.
Stryco Mfg. Co., San Francisco, Calif.
Swift Electric Welder Co., Detroit, Mich.
Taylor-Winfield Corp., Warren, Ohio
Thomson Electric Welder Co., Lynn, Mass.
Unitek Corp., Pasadena, Calif.
Universal Welder Corp., Cleveland, Ohio
Weldex, Inc., Detroit, Mich.
Welding Machines Mfg. Co., Detroit, Mich.

WELDERS, Spot Torch

Dockson Corp., Detroit, Mich.

WELDERS, Stud

Graham Mfg. Co., Ferndale, Mich.
KSM Prod., Inc., Merchantville, N. J.
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WELDING COMPOUNDS

(See: "Compounds, Galvanizing," "Compounds, Tinning")

WELDING MACHINES, Gas

(See also: "Machines, Welding, Gas")

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Linde Air Products Co., The, New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
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Modern Engineering Co., Inc., St. Louis, Mo.
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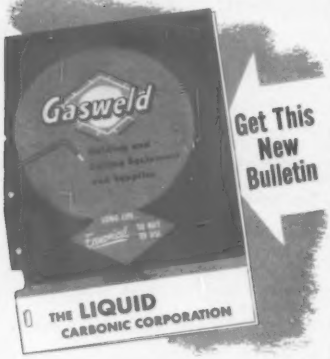

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WELDING and CUTTING APPARATUS, Oxygen-Acetylene

(Continued from Page 79)

American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Arcos Corp., Philadelphia, Pa.
Bastian-Blessing Co., The, Chicago, Ill.
Black Manufacturing Co., Baltimore, Md.
Buckeye Oxygen Co., Canton, Ohio
Burdett Oxygen Co., Cleveland, Ohio
Commercial Gas Corp., Wilkes-Barre, Pa.
Craftsweld Equip. Corp., Long Island City, N. Y.
Dockson Corp., Detroit, Mich.
Elsler Engineering Co., Inc., Newark, N. J.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Gellid Engineering, Oak Park, Ill.
General Welding & Equip. Co., Boston, Mass.
Goss Gas, Inc., Pittsburgh, Pa.
Greyhound A. C. Arc Welder Corp., Brooklyn, N. Y.
Hamilton Tool Co., The, Hamilton, Ohio
Harris Calorific Co., The, Cleveland, Ohio
Imperial Brass Manufacturing Co., The, Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Meco Welding Supply Co., Chicago, Ill.
Metal & Thermit Corp., New York, N. Y.
Milburn, Inc., Alexander, Baltimore, Md.
Miles, John, R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
National Cylinder Gas Co., Chicago, Ill.
National Welding Equipment Co., Ltd., San Francisco, Calif.
New England Gas Products, Inc., Charlestown, Mass.
Oxo Welding Equip. Co., Chicago, Ill.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Scientific Research Co., Portland, Ore.
Sight Feed Generator Co., The, West Alexandria, Ohio.
Smith Welding Equipment Corp., Minneapolis, Minn.
Steele Gases Inc., Chicago, Ill.
Superior Industrial Gas Corp., Astoria, N. Y.
Superior Oxy-Acetylene Machine Co., The, Hamilton, Ohio
Torchweld Equipment Co., Chicago, Ill.
Universal Power Corp., Cleveland, Ohio
Victor Equipment Co., San Francisco, Calif.
Wall Chemicals Division of The Liquid Carbonic Corporation, Chicago, Ill.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING and CUTTING EQUIPMENT, Underwater

(See: "Torches, Cutting, Underwater," "Electrodes, Arc-Oxygen; Electrodes, Underwater, Welding")

Air Products, Inc., Allentown, Pa.
American Oxygen Service Corp., Harrison, N. J.
Arcos Corp., Philadelphia, Pa.
Bastian-Blessing Co., The, Chicago, Ill.
Chicago Tool & Engineering Co., Chicago, Ill.
Craftsweld Equipment Corp., Long Island, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
K-G Welding & Cutting Co., Inc., New York, N. Y.
Thompson Engineering Co., Grand Rapids, Mich.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.

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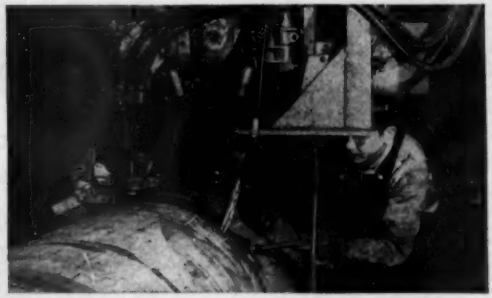
(Left) Flame-hardening gives added service life to parts by providing a hard, wear-resisting surface on a tough, ductile core. (Right) Oxygen-cutting equipment easily slices steel up to 60 in. thick. A 30-in. cut through this 45-in. thick ingot took only 15 minutes.

HELIARC welding in a protective shield of argon or helium gas easily joins hard-to-weld metals such as aluminum, magnesium, stainless steel, and copper alloys. Absence of flux and spatter reduces cleanup and finishing costs.



UNIONMELT welding, a mechanized electric process, joins metals of any thickness without sparks, spatter, smoke, or flash. Welding speeds as much as twenty times greater than by other similarly applicable methods are common.

Powder-scarfing halves conditioning costs on stainless steel. One 8-hr. shift, using two blowpipes, easily powder-scarfs 22 to 24 ingots of 1,000 lb. each.

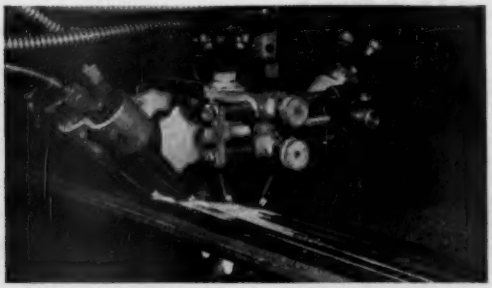


Plate-edge preparation with OXWELD apparatus makes it possible to cut steel plate to size and bevel the edges for welding in one, quick, oxygen-cutting operation.

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WELDING GLOVES

(See: "Gloves, Asbestos," "Leather," Etc.)

WELDING CURTAIN

(See: "Curtains, Asbestos; Fire Resistant Duck; Leather")

WELDING PISTOL, Air-Vibrating

Mid-States Welder Mfg. Co., Chicago, Ill.

WELDING POSITIONERS

(See: "Positioners, Welding")

WELDING RODS, Aluminum

Air Reduction Sales Co., New York, N. Y.
Al-Rod Co., The, San Bernardino, Calif.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All State Welding Alloys Co., Inc., White Plains, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
American Brass Co., The, Waterbury, Conn.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Atlas Foundry Co., Irvington, N. J.
Central Steel & Wire Co., Chicago, Ill.
Chicago Hardware Foundry Co., The, North Chicago, Ill.
Ever-Tite Alloys Corp., New York, N. Y.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
National Welders Supply Co., Charlotte, N. C.
Oxweld Railroad Service Co., The, Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Standard Electrode & Mfg. Corp., Philadelphia, Pa.
Steel Sales Corp., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Trindl Products, Ltd., Chicago, Ill.
United Welding Service Co., Franklin, Pa.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Alloys Mfg. Co., Newark, N. J.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wooldridge Aluminum Welding Products, Inc., Malden, Mass.
WOW Welding Specialties Co., Chicago, Ill.

WELDING RODS, Aluminum-Bronze

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Brass Co., Waterbury, Conn.
Ampco Metal, Inc., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Central Steel and Wire Co., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Marquette Mfg. Co., Minneapolis, Minn.
Oxweld Railroad Service Co., The, Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Steel Sales Corp., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.
WOW Welding Specialties Co., Chicago, Ill.

WELDING RODS, Brazing

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Alloy Specialties Co., Swissvale, Pa.
American Brass Co., The, Waterbury, Conn.
Arc Welding Supply Co., Bronx, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Central Steel and Wire Co., Chicago, Ill.
Eastern Equip. Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Handy & Harman, New York, N. Y.
Industrial Air Products Co., Portland, Ore.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
McCauley Alloy Sales Co., Chicago, Ill.
Mueller Brass Co., Port Huron, Mich.
Oxweld Railroad Service Co., The, Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Precision Welder Mfg. Co., Chicago, Ill.
Revere Copper & Brass, Inc., New York, N. Y.
Steel Sales Corp., Chicago, Ill.
Titan Metal Mfg. Co., Bellefonte, Pa.
United Wire & Supply Corp., Cranston, R. I.
Universal Welder Corp., Cleveland, Ohio
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
WOW Welding Specialties Co., Chicago, Ill.

WELDING RODS, Bronze

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Agile Corp., Cleveland, Ohio
American Brass Co., Waterbury, Conn.
American Oxygen Service Corp., Harrison, N. J.
Ampco Metal, Inc., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Bridgeport Brass Co., Bridgeport, Conn.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Chase Brass & Copper Co., Waterbury, Conn.
Craftweld Equip. Corp., Long Island City, N. Y.
Eccles & Davies Machinery Co., Inc., Los Angeles, Calif.
Eutectic Welding Alloys Co., Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hollup Corp., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Johnston, A. P., Los Angeles, Calif.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McCauley Alloys Sales Co., Chicago, Ill.
Metro Mfg. Co., Long Island City, N. Y.
Modern Engineering Co., Inc., St. Louis, Mo.
Mueller Brass Co., Port Huron, Mich.
National Welding Equipment Co., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Permalatem Welding Alloys Co., Neptune, N. J.
Phosphor Bronze Corp., The, Seymour, Conn.
Precision Welder Mfg. Co., Chicago, Ill.
Revere Copper & Brass, Inc., New York, N. Y.
Scovill Mfg. Co., Waterbury, Conn.
Seymour Mfg. Co., The, Seymour, Conn.
Sight Feed Generator Co., The, Richmond, Ind.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Steel Sales Corp., Chicago, Ill.
Stuart Oxygen Co., San Francisco, Calif.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Titan Metal Mfg. Co., Bellefonte, Pa.
Trindl Products, Ltd., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Alloys Mfg. Co., Newark, N. J.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Cast-Iron

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All State Welding Alloys Co., White Plains, N. Y.
American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Arcos Corp., Philadelphia, Pa.
Armite Laboratories, Los Angeles, Calif.
Atlas Foundry Co., Irvington, N. J.
Bierman-Everett Foundry Co., Irvington, N. J.
Central Steel & Wire Co., Chicago, Ill.
Chanite Sales Co., Fort Worth, Tex.
Champion Rivet Co., The, Cleveland, Ohio
Chicago Hardware Foundry Co., The, North Chicago, Ill.
Cirod Distributing Co., Lyons, Ill.
Eastern Equipment Co., Willow Grove, Pa.
Ever-Tite Alloys Corp., New York, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Imperial Brass Mfg. Co., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Modern Engineering Co., The, St. Louis, Mo.
National Carbon Div., Union Carbide and Carbon Corp., New York, N. Y.
National Welders Supply Co., Charlotte, N. C.
National Welding Equipment Co., San Francisco, Calif.
Oxweld Railroad Service Co., The, Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Precision Welder Mfg. Co., Chicago, Ill.
Shober Sales, Inc., Stockton, Calif.
Sight Feed Generator Co., W. Alexandria, Ohio
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Trindl Products, Ltd., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Copper

Air Reduction Sales Co., Div., Air Reduction Co., Inc., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Alloy Specialties Co., Swissvale, Pa.
American Agile Corp., Cleveland, Ohio
American Brass Co., Waterbury, Conn.
American Manganese Div., American Brake Shoe Co., Chicago Heights, Ill.
Ampco Metal, Inc., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Central Steel & Wire Co., Chicago, Ill.
Chase Brass & Copper Co., Inc., Waterbury, Conn.
Eutectic Welding Alloys Co., Flushing, N. Y.
Hollup Corp., Chicago, Ill.
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Modern Engineering Co., Inc., St. Louis, Mo.
Mueller Brass Co., Port Huron, Mich.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Revere Copper & Brass, Inc., New York, N. Y.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Equipment Supply Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Hard-Facing

Adams Alloy Co., Wakita, Okla.
Air Reduction Sales Co., New York, N. Y.
Allied Weldcraft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel, Div. of American Brake Shoe Co., Chicago Heights, Ill.
Ampco Metal, Inc., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Armite Laboratories, Los Angeles, Calif.
Bingrod Co., Kalamazoo, Mich.
Carpenter Steel Co., The, Reading, Pa.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Chicago Hardware Foundry Co., North Chicago, Ill.
Coast Metals, Inc., Canton, Ohio
Delloy Metals, Philadelphia, Pa.
Diamalloy Co., The, Gowanda, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
Eutectic Welding Alloys Co., Flushing, N. Y.
Fansteel Metallurgical Corp., North Chicago, Ill.
Gorham Tool Co., Detroit, Mich.
Harnischfeger Corp., Milwaukee, Wis.
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., Kokomo, Ind.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Hoskins Bros. Co., Detroit, Mich.
Industrial Air Products Co., Portland, Ore.
Industrial Overlay Metals, Inc., Eaton, Ohio
International Nickel Co., Inc., New York, N. Y.
Kerkling Metals Co., C. A., Hollywood, Calif.
Lincoln Electric Co., The, Cleveland, Ohio
Linde Air Products Co., The Unit of Union Carbide & Carbon Corp., New York, N. Y.

(Continued on page 84)

TRADE NAMES
Start on Page 87

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NAMES & ADDRESSES
Start on Page 108

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Fuse-Well CAST IRON RODS and ELECTRODES

SOLD THRU LEADING DISTRIBUTORS

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  (Hard-Surfacing Rod)
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  (Hard-Surfacing Electrode)
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  (Machineable Coated Electrode)

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WELDING RODS for HARD-FACING

- *Better Weldability*
- *Ease in Application*
- *Maximum Resistance to Abrasion*

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Deposits are hard, smooth, free from porosity. Rockwell C hardness of 58-60 . . . for agricultural uses, pug mill knives, mill guides, straightening rolls, drag chains, etc.

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Withstands any moderate corrosive media. Used in hard-facing parts for corrosion, abrasion, and heat. Retains hardness at red heat . . . for blanking and forming dies, high pressure steam and exhaust valves, chemical equipment, and food machinery, feed cams, etc.

• METALITE 1

Harder than METALITE 6. To be used where severe corrosion problems exist. Retains hardness at red heat . . . for refinery equipment, soaking pit tongs, drag chain links, etc.

• METALITE "A" & "B"

Metalite "A" is a metallic coated rod, composed of chromium Manganese, Titanium, Silicon and Carbon, dipped on a low Carbon steel rod. Electric style . . . operates equally well on A.C. or D.C., and in all positions. Metalite "B" is also a metallic coated rod, but with a higher alloy content. Electric style only . . . operates equally well on A.C. or D.C., reverse polarity, and in all positions.

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Write for Catalog and our Jobber Plan.

ADAMS ALLOY CO. WAKITA, OKLAHOMA

WELDING RODS, Hard-Facing

(Continued from page 82)

Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
MacDonald Co., Inc., The, Reno, Nev.
McCauley Alloy Sales Co., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio
McDonald Co., E. J., The, Reno, Nev.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
Modern Engineering Co., Inc., St. Louis, Mo.
O. K. I. Welding Supply Co., Cincinnati, Ohio
Osage Metal Co., Inc., Oklahoma City, Okla.
Oxweld Railroad Service Co., The, Chicago, Ill.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Permalatem Welding Alloys Co., Neptune, N. J.
Resisto-Loy Co., Grand Rapids, Mich.
Shober Sales, Inc., Stockton, Calif.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Smith, A. O., Corp., Milwaukee, Wis.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
Stulz-Sickles Co., Newark, N. J.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
U. S. Steel Supply Co., Chicago, Ill.
Vascoloy-Ramet Corp., Waukegan, Ill.
Victor Equipment Co., San Francisco, Calif.
Wall Colmonoy Corp., Detroit, Mich.
Welding Equipment & Supply Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Westinghouse Elec. Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Wilson Welder & Metals Co., Inc., New York, N. Y.

WELDING RODS, High-Tensile

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Arcos Corp., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Central Steel and Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp , Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Oxweld Railroad Service Co., The, Chicago, Ill.
Page Steel & Wire Division of American Chain & Cable Co., Inc., Monessen, Pa.
Permalatem Welding Alloys Co., Neptune, N. J.
Smith Corp., A. O., Milwaukee, Wis.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Youngstown Sheet & Tube Co., The, Youngstown, Ohio

WELDING RODS, Inconel

Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Arcos Corp., Philadelphia, Pa.
Hobart Bros. Co., The, Troy, Ohio
Industrial Air Prod. Co., Portland, Oreg.
International Nickel Co., Inc., New York, N. Y.
Johnson, A. P., Los Angeles, Calif.
Modern Engineering Co., Inc., St. Louis, Mo.
Phillips, C. E., & Co., Detroit, Mich.
Reid-Avery Co., Dundalk, Baltimore, Md.
Steel Sales Corp., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Magnesium

Allied Weld-Craft Co., Inc., Indianapolis, Ind.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Aluminum Co. of America, Pittsburgh, Pa.
American Magnesium Corp., Cleveland, Ohio
Dow Chemical Co., The, Midland, Mich.
Eutectic Welding Alloys Co., Flushing, N. Y.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
Marquette Mfg. Co., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Permalatem Welding Alloys Co., Neptune, N. J.
Revere Copper and Brass, Inc., New York, N. Y.
White Metal Rolling & Stamping Corp., Brooklyn, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
WOW Welding Specialties Co., Chicago, Ill.

WELDING RODS, Manganese

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Brass Co., Waterbury, Conn.
American Manganese Steel, Div. of American Brake Shoe Co., Chicago Heights, Ill.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., Cleveland, Ohio
Chase Brass & Copper Co., Waterbury, Conn.
Eutectic Welding Alloys Co., Flushing, N. Y.
Haynes Stellite Co., Unit of Union Carbide and Carbon Corp., Kokomo, Ind.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Overlay Metals, Inc., Eaton, Ohio
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
MacDonald Co., Inc., The, Reno, Nev.
Manganese Steel Forge Co., Philadelphia, Pa.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
McKay Co., The, Pittsburgh, Pa.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Ragle, J. M., Industries, Kansas City, Mo.
Resisto-Loy Co., Grand Rapids, Mich.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stoody Co., Whittier, Calif.
Stulz-Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Pittsburgh, Pa.

WELDING RODS, Manganese-Bronze

Air Reduction Sales Co., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Brass Co., The, Waterbury, Conn.
Arcos Corp., Philadelphia, Pa.
Central Steel and Wire Co., Chicago, Ill.
Chase Brass & Copper Co., Waterbury, Conn.
Eutectic Welding Alloys Corp , Flushing, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemical Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Mueller Brass Co., Port Huron, Mich.
Permalatem Welding Alloys Co., Neptune, N. J.
Revere Copper & Brass, Inc., New York, N. Y.
Steel Sales Corp., Chicago, Ill.
Stuart Oxygen Co., San Francisco, Calif.
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Monel

Air Reduction Sales Co., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
Arcos Corp., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Eutectic Welding Alloys Corp , Flushing, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
International Nickel Co., Inc., New York, N. Y.
Marquette Mfg. Co., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Oxweld Railroad Service Co., The, Chicago, Ill.
Permalatem Welding Alloys Co., Neptune, N. J.
Reid-Avery Co., Dundalk, Baltimore, Md.
Steel Sales Corp., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Nickel

Air Reduction Sales Co., New York, N. Y.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Steel & Wire Co., Cleveland, Ohio
Arcos Corp., Philadelphia, Pa.
Bridgeport Brass Co., Bridgeport, Conn.
Chase Brass & Copper Co., Waterbury, Conn.
Eutectic Welding Alloys Corp , Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Haynes Stellite Co., Unit of Union Carbide and Carbon Corp., Kokomo, Ind.
Hoskins Mfg. Co., Detroit, Mich.
Industrial Overlay Metals, Eaton, Ohio
International Nickel Co., Inc., New York, N. Y.
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York.
Liquid Carbonic Corp., The Wall Chemicals Div., Chicago, Ill.
MacDonald Co., Inc., The, Reno, Nev.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Permalatem Welding Alloys Co., Neptune, N. J.
Sight Feed Generator Co., The, West Alexandria, Ohio
Southern Oxygen Co., Inc., Washington, D. C.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Victor Equipment Co., San Francisco, Calif.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Nickel-Manganese

Air Reduction Sales Co., New York, N. Y.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Arcos Corp., Philadelphia, Pa.
Eutectic Welding Alloys Co., Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hoskins Mfg. Co., Detroit, Mich.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Mir-O-Col Alloy Co., Inc., Los Angeles, Calif.
Permalatem Welding Alloys Co., Neptune, N. J.
Resisto-Loy Co., Grand Rapids, Mich.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Stulz-Sickles Co., Newark, N. J.
Taylor-Wharton Iron & Steel Co., High Bridge, N. J.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Stainless

Air Reduction Sales Co., New York, N. Y.
Allegheny Ludlum Steel Corp., Pittsburgh, Pa.
Allied Weldcraft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All-State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel, Div. American Brake Shoe Co., Chicago Heights, Ill.
American Oxygen Service Corp., Harrison, N. J.
American Steel & Wire Co., Cleveland, Ohio
Arcos Corp., Philadelphia, Pa.
Arc Welding Supply Co., Bronx, N. Y.
Armite Laboratories, Los Angeles, Calif.
Bridgeport Brass Co., Bridgeport, Conn.
Carpenter Steel Co., The, Reading, Pa.
Castle, A. M. & Co., Chicago, Ill.
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Eutectic Welding Alloys Corp., Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Illium Corp., The, Freeport, Ill.
Industrial Air Products Co., Portland, Ore.
Industrial Overlay Metals Inc., Eaton, Ohio
Johnston, A. P., Los Angeles, Calif.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Manganese Steel Forge Co., Philadelphia, Pa.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio
McCauley Alloy Sales Co., Chicago, Ill.
Michigan Steel Castings Co., Detroit, Mich.
Modern Engineering Co., Inc., St. Louis, Mo.
Oxweld Railroad Service Co., The, Chicago, Ill.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Permalatem Welding Alloys Co., Neptune, N. J.
Reid-Avery Co., Dundalk, Baltimore, Md.
Republic Steel Corp., Cleveland, Ohio
Ryerson, Joseph T., & Son, Inc., Chicago, Ill.
Shober Sales, Inc., Stockton, Calif.
Smith, A. O., Corp., Milwaukee, Wis.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Westinghouse Electric Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Steel, Mild

Air Reduction Sales Co., New York, N. Y.
Allied Weld-Craft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
American Oxygen Service Corp., Harrison, N. J.
Arc Welding Supply Co., Bronx, N. Y.
Bethlehem Steel Co., Bethlehem, Pa.
Carlin, Anthony, Co., Cleveland, Ohio
Central Steel & Wire Co., Chicago, Ill.
Champion Rivet Co., Cleveland, Ohio
Chicago Steel & Wire Co., Chicago, Ill.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Harnischfeger Corp., Milwaukee, Wis.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Air Products Co., Portland, Ore.
Jones & Laughlin Steel Corp., Pittsburgh, Pa.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Metal & Thermit Corp., New York, N. Y.
Modern Engineering Co., Inc., St. Louis, Mo.
National Welders Supply Co., Charlotte, N. C.
National Welding Equipment Co., San Francisco, Calif.
North Amer. Phillips Co., Inc., New York, N. Y.
Oxweld Railroad Service Co., The, Chicago, Ill.
Page Steel & Wire, Div. American Chain & Cable Co., Inc., Monessen, Pa.
Permalatem Welding Alloys Co., Neptune, N. J.
Precision Welder Mfg. Co., Chicago, Ill.
Reid-Avery Co., Dundalk, Baltimore, Md.
Shober Sales, Inc., Stockton, Calif.
Sight Feed Generator Co., The, West Alexandria, Ohio
Smith, A. O., Corp., Milwaukee, Wis.
Southern Oxygen Co., Inc., Washington, D. C.
Special Welding Alloy Co., Inc., Long Island City, N. Y.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
Superior Oxy-Acetylene Mach. Co., Hamilton, Ohio
Trindl Products, Ltd., Chicago, Ill.
U. S. Electric Steel Corp., Toledo, Ohio
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Equipment & Supply Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Westinghouse Electric Corp., Pittsburgh, Pa.
Whitehead Metal Products Co., Inc., New York, N. Y.
Williams & Co., Inc., Pittsburgh, Pa.
Youngstown Sheet & Tube Co., Youngstown, Ohio

WELDING RODS, Tool & Die

Allied Weldcraft, Inc., Indianapolis, Ind.
Alloy Rods Co., York, Pa.
All State Welding Alloys Co., Inc., White Plains, N. Y.
American Manganese Steel Div. of American Brake Shoe Co., Chicago Heights, Ill.
Burdett Oxygen Co., The, Cleveland, Ohio
Carpenter Steel Co., The, Reading Pa.
Central Steel & Wire Co., The, Chicago, Ill.
Champion Rivet Co., The, Cleveland, Ohio
Coast Metals, Inc., Canton, Ohio
Eutectic Welding Alloys Co., Flushing, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
Hobart Bros. Co., The, Troy, Ohio
Hollup Corp., Chicago, Ill.
Industrial Overlay Metals, Inc., Eaton, Ohio
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Maurath, Inc., Cleveland, Ohio
Modern Engineering Co., Inc., St. Louis, Mo.
Permalatem Welding Alloys Co., Neptune, N. J.
Phillips, C. E., & Co., Detroit, Mich.
Reid-Avery Co., Dundalk, Baltimore, Md.
Republic Steel Corp., Cleveland, Ohio
Resisto-Loy Co., Grand Rapids, Mich.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
U. S. Steel Supply Co., Chicago, Ill.
Victor Equipment Co., San Francisco, Calif.
Welding Equipment & Supply Co., Detroit, Mich.
Weldit, Inc., Detroit, Mich.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, Tungsten Carbide

Air Reduction Sales Co., New York, N. Y.
All State Welding Co., Inc., White Plains, N. Y.
American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Coast Metals, Inc., Canton, Ohio
Eutectic Welding Alloys Co., Flushing, N. Y.
Industrial Overlay Metals, Inc., Eaton, Ohio
Mir-o-Col Alloy Co., Inc., Los Angeles, Calif.
Permalatem Welding Alloys Co., Neptune, N. J.
Sight Feed Generator Co., The, W. Alexandria, Ohio
Stoody Co., Whittier, Calif.
Williams & Co., Inc., Pittsburgh, Pa.

WELDING RODS, White Metal

Air Reduction Sales Co., New York, N. Y.
Aladdin Rod & Flux Mfg. Co., Grand Rapids, Mich.
Allied Weld-Craft, Inc., Indianapolis, Ind.
All State Welding Alloys Co., Inc., White Plains, N. Y
American Brass Co., The, Waterbury, Conn.
Burdett Oxygen Co., The, Cleveland, Ohio
Central Steel and Wire Co., Chicago, Ill.
Eastern Equipment Co., Inc., Willow Grove, Pa.
Eutectic Welding Alloys Co., Flushing, N. Y.
Ever-Tite Alloys Corp., New York, N. Y.
Hollup Corp., Chicago, Ill.
Industrial Air Prod. Co., Portland, Oreg.
Modern Engineering Co., Inc., St. Louis, Mo.
Permalatem Welding Alloys Co., Neptune, N. J.
Peterson Welding Laboratories, Kansas City, Mo.
Phillips, C. E. & Co., Detroit, Mich.
Ragle, J. M. Industries, Kansas City, Mo.
Southern Oxygen Co., Inc., Washington, D. C.
United Welding Service Co., Franklin, Pa.
Victor Equipment Co., San Francisco, Calif.
Welding Alloys Mfg. Co., Newark, N. J.
Weldit, Inc., Detroit, Mich.
Whitehead Metal Products Co., Inc., New York, N. Y.
White Metal Rolling & Stamping Corp., Brooklyn, N. Y
Williams & Co., Inc., Pittsburgh, Pa.
Wow Welding Specialties Co., Chicago, Ill.

WELDING FITTINGS

(See: "Fittings, Pipe, Welding")

WELDING TORCHES, Gas

(See: "Torches, Welding, Gas")

WELD NUTS

Grip Nut Co., Chicago, Ill.
Ohio Bolt & Nut Co., Berea, Ohio

WELD-TIME RECORDERS

A-C Devices & Products, Chicago, Ill.
Brush Development Co., The, Cleveland, Ohio
Cramer, R. W. Co., Inc., The, Centerbrook, Conn.
DV Welding Controls, Oakland, Calif.
General Electric Co., Schenectady, N. Y.
Glenn-Roberts Co., Indianapolis, Ind.
Harnischfeger Corp., Milwaukee, Wis.
Hewlett-Packard Co., Palo Alto, Calif.
National Time & Signal Corp., Detroit, Mich.
Rubicon Co., Philadelphia, Pa.
Taylor-Winfield Corp., Warren, Ohio.

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WHEELS

Dico Corp., Des Moines, Iowa
Motor Wheel Co., Lansing, Mich.
Nelson Wheel Co., Milwaukee, Wis.

WHEELS, Grinding

Bay State Abrasive Products Co., Westboro, Mass.
Behr-Manning Corp., Troy, N. Y.
Bridgeport Safety Emery Wheel Co., Inc., The, Bridgeport, Conn.
Chicago Wheel & Mfg. Co., Chicago, Ill.
Clover Mfg. Co., Norwalk, Conn.
Cortland Grinding Wheels Corp., Chester, Mass.
de Sanno, A. P., & Son, Inc., Phoenixville, Pa.
DoAll Co., The, Des Plaines, Ill.
Macklin Co., Jackson, Mich.
Mid-West Abrasive Co., Owosso, Mich.
Minnesota Mining & Mfg. Co., St. Paul, Minn.
Norton Co., Worcester, Mass.
Peninsular Grinding Wheel Co., The, Detroit, Mich.
Raybestos-Manhattan, Inc., Passaic, N. J.
Robertson Mfg. Co., Morrisville, Pa.
Sandusky Abrasive Wheel Co., Kalamazoo, Mich.
Simonds Abrasive Co., Philadelphia, Pa.
Simonds Worden White Co., Dayton, Ohio
Sterling Grinding Wheel Div., of the Cleveland Quarries Co., Tiffin, Ohio
United States Rubber Co., New York, N. Y.
Universal Wheel & Abrasive Corp., Chicago, Ill.
Weldon Roberts Rubber Co., Newark, N. J.
Wisconsin Abrasive Co., Milwaukee, Wis.

WIRE, Aluminum

Aluminum Co. of America, Pittsburgh, Pa.
Bissett Steel Co., The, Cleveland, Ohio
Colonial Alloys Co., Philadelphia, Pa.
United Wire & Supply Corp., Cranston, R. I.
Wooldridge Aluminum Welding Products, Inc., Malden, Mass.

WIRE, Automatic Welding

Ampco Metal Inc., Milwaukee, Wisc.
Arcos Corp., Philadelphia, Pa.
Auto Arc-Weld Mfg. Co., Cleveland, Ohio
General Electric Co., Schenectady, N. Y.

Lincoln Electric Co., Cleveland, Ohio
Linde Air Products Co., The, Unit of Union Carbide and Carbon Corp., New York, N. Y.
Metron Instrument Co., Denver, Colo.
Mir-o-Col Alloy Co., Inc., Los Angeles, Calif.
Reid-Avery Co., Dundalk, Baltimore, Md.
Smith, A. O., Corp., Milwaukee, Wis.
Standard Steel & Wire Co., Bolivar, Pa.
Stoody Co., Whittier, Calif.
Steel Sales Corp., Chicago, Ill.
Tweezer Weld Corp., Newark, N. J.
Williams & Co., Inc., Pittsburgh, Pa.

WIRE, Metallizing

Allegheny Ludlum Steel Corp., Brackenridge, Pa.
American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
Ampco Metal, Inc., Milwaukee, Wis.
Arcos Corp., Philadelphia, Pa.
Belmont Smelting & Refining Works Inc., Brooklyn, N. Y.
Hoskins Mfg. Co., Detroit, Mich.
Metallizing Co. of America, Chicago, Ill.
Metallizing Engineering Co., Inc., Long Island City, N. Y.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Phosphor Bronze Corp., The, Seymour, Conn.
Standard Steel & Wire Co., Bolivar, Pa.
Steel Sales Corp., Chicago, Ill.
United Wire & Supply Corp., Cranston, R. I.
Wall Colmonoy Corp., Detroit, Mich.
Youngstown Sheet & Tube Co., Youngstown, Ohio

WIRE WELDING

(See: "Rods, Wire Steel")

WRENCHES, Regulator

Air Products, Inc., Allentown, Pa.
Air Reduction Sales Co., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Bastian-Blessing Co., The, Chicago, Ill.
Chicago Hardware Foundry Co., North Chicago, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Imperial Brass Mfg. Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Nageldinger & Son, J., Inc., New York, N. Y.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., The, Unit of Union Carbide & Carbon Corp., Chicago, Ill.
Paasche Airbrush Co., Chicago, Ill.
Quality Tools Corp., New Wilmington, Pa.
Weldit, Inc., Detroit, Mich.

WRENCHES, Torch

Air Reduction Sales Co., New York, N. Y.
American Gas & Chemical Corp., Harrison, N. J.
American Oxygen Service Corp., Harrison, N. J.
Bastian-Blessing Co., The, Chicago, Ill.
Eutectic Welding Alloys Corp., Flushing, N. Y.
Imperial Brass Mfg. Co., Chicago, Ill.
Linde Air Products Co., The, Unit of Union Carbide & Carbon Corp., New York, N. Y.
Liquid Carbonic Corp., The, Wall Chemicals Div., Chicago, Ill.
Marquette Mfg. Co., Inc., Minneapolis, Minn.
Miles, John R. R., Inc., Minneapolis, Minn.
Modern Engineering Co., Inc., St. Louis, Mo.
Nageldinger & Son, J., Inc., New York, N. Y.
National Welding Equip. Co., Ltd., San Francisco, Calif.
Oxweld Railroad Service Co., Chicago, Ill.
Weldit, Inc., Detroit, Mich.

X-RAY EQUIPMENT

(See: "Inspection Equipment, X-Ray")

X-RAY AND RADIUM PROTECTION

Bar-Ray Products, Inc., Brooklyn, N. Y.
Canadian Radium & Uranium Corp., New York, N. Y.
Industrial Products Co., Philadelphia, Pa.
Kelley-Koett Mfg. Co., Covington, Ky.
Ray Proof Corp., New York, N. Y.
St. John X-Ray Laboratories, Califon, N. J.

ZINC SHEETS and BARS

American Zinc Products Co., The, Greencastle, Ind.
Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.
Cleveland Precision Ring Prod. Co., The, Cleveland, Ohio
Consolidated Metals Corp., Detroit, Mich.
Eagle-Picher Sales Co., The, Cincinnati, Ohio
New Jersey Zinc Co., The, New York, N. Y.

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TRADE NAME INDEX

An Alphabetical List of Trade Names Employed by Manufacturers of Welding Equipment, Tools and Supplies Whose Products Are Listed in this Buyers' Reference Number, with the Names of the Manufacturers and the Products to Which they Refer.

THE fact that trade names appear in this list does not mean that we guarantee them to be registered or the property of the manufacturers concerned.

WARNING—Therefore, no user of this reference, should, without independent verification, rely upon any information appearing in this section when so doing might result in loss or damage of any kind.—McGraw-Hill Publishing Company, Inc.

In the cases where two or more companies have submitted the same trade name for the same product and there is any question as to the rightful owner of the trade name, we have eliminated it entirely from our list.

Where initials are shown as trade names in this list, they are grouped at the start of the listings under each letter. Where two or more separated words or hyphenated words constitute a trade name, such as "Sure Hold" or "Sure-Hold," the first word standing alone determines the location of the listing, whereas when the two words are used as one, such as "Surehold," the name is listed in order according to the entire word.

Some trade names may have been inadvertently omitted. At the same time, some names you consider to be trade names may not be such, in fact. Therefore, if you cannot locate the name for which you are looking in the "Trade Name Index," look for a similar name in the "Classified List" among the manufacturers shown under the product in which you are interested.

A

A—Flux for cast iron welding. Bierman-Everett Foundry Co., Irvington, N. J.

AAA—Hand Hack Blades. E. C. Atkins & Co., Indianapolis, Ind.

ABC—Aluminum welding fluxes No. 8. Anti-Borax Compound Co., Fort Wayne, Ind.

A-C—Welding electrodes, holder and accessories. Allis-Chalmers Mfg. Co., Milwaukee, Wis.

AC-1—Mild steel, A-C—D-C (AWS E-6011) electrode. Harnischfeger Corp., Milwaukee, Wis.

AC-3—Mild steel, A-C—D-C (AWS E-6013) electrode. Harnischfeger Corp., Milwaukee, Wis.

ACDP—Generators. A-C Devices & Products, Chicago, Ill.

ACU—Oxygen, acetylene, nitrogen. Acetylene Co., of Utah, Salt Lake City, Utah

AC WELD—Carbon electrodes. Speer Carbon Co., St. Marys, Pa.

A.E.F.—Spot butt, seam and tube welders. American Electric Fusion Corp., Chicago, Ill.

AEF Copper—Welding tips for spot welding. American Electric Fusion Corp., Chicago, Ill.

AEF Sealdfit—Hose fittings. American Electric Fusion Corp., Chicago, Ill.

AH—Industrial controls and enclosed switches. Arrow, Hart & Hegeman Elec. Co., Hartford, Conn.

AHH—Electric switches. Arrow, Hart & Hegeman Elec. Co., Hartford, Conn.

AO—Coats, short jackets, overalls, sleeves, aprons, capes, trousers, spats, legging and gloves. Welding goggles and lenses. American Optical Co., Southbridge, Mass.

AP—Mild steel, reverse polarity (AWS E-6010), electrode. Harnischfeger Corp., Milwaukee, Wis.

APW—Silver brazing alloys. American Platinum Wks., Newark, N. J.

A-R Steel (USS)—Abrasion resisting steel. United States Steel Corporation, Pittsburgh, Pa.

ASMC—Flux. Farrelloy Co., Philadelphia, Pa.

AW-2B—Manganese molybdenum alloy (AWS E-10020) electrode. Harnischfeger Corp., Milwaukee, Wis.

AW-3C—Austenitic stainless (Type 307) electrode. Harnischfeger Corp., Milwaukee, Wis.

AW-4—Chrome-moly low alloy (AWS E-10012) electrode. Harnischfeger Corp., Milwaukee, Wis.

ABRASALOY—Crushed metal. Industrial Overlay Metals Inc., Eaton, O.

ABRASIVEWAY—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.

ABRASCOTE 10—Alloy steel electrode. Harnischfeger Corp., Milwaukee, Wis.

ABRASCOTE 20—Coated austenitic electrode. Harnischfeger Corp., Milwaukee, Wis.

ABRASOWELD—Electrode. Lincoln Electric Co., Cleveland, Ohio.

ABSO-LUTE—Sealing compound. Kay Co., E. St. Louis, Ill.

ABSORBAND—Sweat band. Sellstrom Manufacturing Co., Chicago, Ill.

ACE—Resistance Welding Equip. Peer, Inc., Benton Harbor, Mich.

ACE-HIGH—Fire Hose. The Home Rubber Co., Trenton, N. J.

ACE WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.

ACET-A-TIPS—Soldering Tips. Acet-A-Tips Co., Chicago, Ill.

ACETYLITE—Automatic Torch Lighter for Oxy-Acetylene Welders. Aufhauser Brothers Corp., New York, N. Y.

ACID-BAN—Safety Goggles. Bausch & Lomb Optical Co., Rochester, N. Y.

ACME—Spot welders and resistance welding equipment. Acme Electric Welder Co., Los Angeles, Calif.

ACME—Welding positioners and automatic welding fixtures. Acme Mfg. Co., Detroit, Mich.

ACME HOT SPOT—Spot, seam and projection welders and resistance welding equipment. Acme Electric Welder Co., Los Angeles, Calif.

ACCURATE—Fire extinguishers. Pyrene Manufacturing Co., Newark, N. J.

ACCURATE FREEZING-PROOF CHARGE—Fire extinguisher recharges. Pyrene Manufacturing Co., Newark, N. J.

ACHESON—Carbon arc welding electrodes. National Carbon Div., Union Carbide and Carbon Corp., New York, N. Y.

ACID CAUSTICBOND—Vinyl Chemical and Corrosion Resistant Paint. The Wilbur & Williams Co., Boston, Mass.

ACRO—Resistance welding machinery. Acro Welder Mfg. Co., Milwaukee, Wis.

ACROCEL—Safety signs. Acromark Co., Elizabeth, N. J.

ACROMARK—Marking machines. The Acromark Co., Elizabeth, N. J.

ACROMATIC—Resistance welding machines. Acro Welder Mfg. Co., Milwaukee, Wis.

ACROPRINTER—Welding rod printing machines. Acro Welder Mfg. Co., Milwaukee, Wis.

ACROSTAMP—Steel stamps. The Acromark Co., Elizabeth, N. J.

ACTARC—Coatings for welding electrodes. Actarc Inc., Cleveland, Ohio.

ACTRON—Rectifier tubes and other electronic devices. Allis-Chalmers Mfg. Co., Milwaukee, Wis.

ADALOX—Aluminum oxide coated abrasive. Behr-Manning Corp., Troy, N. Y.

ADA-STIC—High temperature insulating Cement. Botfield Refractories Co., Philadelphia, Pa.

ADACAST—Castable refractory. Botfield Refractories Co., Philadelphia, Pa.

ADACHROME-CAST—Chrome ore base castable. Botfield Refractories Co., Philadelphia, Pa.

ADACHROME PLASTIC SUPERCEMENT—Fire brick cement. Botfield Refractories Co., Philadelphia, Pa.

ADACHROME SUPER CEMENT—High Temperature Bonding Mortar, Chrome Base. Botfield Refractories Co., Philadelphia, Pa.

ADAHEARTH—Refractory. Botfield Refractories Co., Philadelphia, Pa.

ADAMANT—Fire brick cement. Botfield Refractories Co., Philadelphia, Pa.

ADAMS—Portable gun type spot welder. Central Corp., Chicago, Ill.

ADAMULL RAMMING MIX—Alumina plastic fire brick material. Botfield Refractories Co., Philadelphia, Pa.

ADAPATCH—Firebrick material. Botfield Refractories Co., Philadelphia, Pa.

ADJUST-A-ANGLE—Angle adapters for resistance welding holders. S-M-S Corp., Detroit, Mich.

ADJUST-A-COLD—Resistance welding holders. S-M-S Corp., Detroit, Mich.

ADJUST-A-LEG—Equalizing slings. The Caldwell Co., Rockford, Ill.

ADJUST-A-PRESSURE—Adjustable pressure holders. S-M-S Corp., Detroit, Mich.

ADLER—Portable acetylene generator. Adler Mfg. Co., Milwaukee, Wis.

ADMIRAL—Power transmission cable. National Cable Corp., Milwaukee, Wis.

ADMIRAL—Electric drills, saws, grinders, buffers, etc. Bradford Machine Tool Co., Cincinnati, O.

ADVANCE—Rotary wire wheel brushes, weld-cleaning, wire hand and wire cup brushes and weld-cleaning tools. The Manufacturers' Brush Co., Cleveland, Ohio.

AERISWELD—Coated electrode for welding brass, bronze and copper. Lincoln Electric Co., Cleveland, Ohio.

AERO—Equal and low pressure air plane torches. Harris Calorific Co., Cleveland, Ohio.

AEROCARB—Liquid carburizing compound. American Cyanamid Co., New York, N. Y.

AEROCASE—Case hardening compound. American Cyanamid Co., New York, N. Y.

AERODYNE—Fans and blowers. The Jeffrey Manufacturing Co., Columbus, Ohio.

AERO-GUN—Low resistance test set. Shallcross Mfg. Co., Collingdale, Pa.

AERO HEAT—Heat treating salts. American Cyanamid Co., New York.

AGED-REGREASED—Cocks. Eclipse Fuel Engine Co., Rockford, Ill.

AGILE—Electrodes and welding rods. American Agile Corp., Cleveland, Ohio.

AGITON—Aluminum cleaner. Turco Products, Inc., Los Angeles, Calif.

AGITOR—Cleaning machines for metal parts. Gray-Mills Corp., Evanston, Ill.

AGNEW—Resistance welders and resistance heating equipment. Agnew Electric Co., Milford, Mich.

AGRIPPA—Clamps. J. H. Williams & Co., Buffalo, N. Y.

AIR BLASTER—Ventilating fan. Chelsea Fan & Blower Co., Inc., Irvington, N. J.

AIR-FLOW—Air-fed welding helmet. Chicago Eye Shield Co., Chicago, Ill.

AIR-MOVER—Ventilating blowers. Mine Safety Appliance Co. Pittsburgh, Pa.

"AIR-SPEED"—Multiple resistance welder. The Taylor-Winfield Corp., Warren, Ohio.

AIR WARDEN—Pressure regulators & air filters. Hannifin Corp., Chicago, Ill.

AIRADIATOR—Welding torch nozzle. Victor Equipment Co., San Francisco, Calif.

AIRCO—Acetylene, oxygen, nitrogen, argon and other atmospheric gas products, also welding and cutting apparatus, automatic welding and cutting machines, welding rods, electrodes and supplies. Air Reduction Sales Co., New York, N. Y.

AIRCOMATIC—Inert arc welding equipment. Air Reduction Sales Co., New York, N. Y.

AIRCO-TWIN—Reinforced hose. Air Reduction Sales Co., New York, N. Y.

AIRCRAFT SPECIAL—Motor generator. Hobart Bros. Co., Troy, Ohio.

AIRLITE—Transparent protective garments. Standard Safety Equipment Co., Chicago, Ill.

AIRLOX—Pneumatic & Hydraulic vises. Production Devices, Inc., Whitehall, N. Y.

AIR-O-LINE—Pneumatic controller. Minneapolis-Honeywell Regulator Co., Philadelphia, Pa

AIRSAN-Airfilter—Air Filter Corp., Milwaukee, Wis.

AIRTAMER—Blow gun. Norgren Co., C. A., Denver, Colo.

AIRTITE—Air and hydraulic vises, valves and cylinders. Production Devices, Inc., Whitehall, N. Y.

AIRTOOL—Welding chipper & pneumatic hammers. Airtool Co., The, Chicago, Ill.

AIRTRON—Glass cloth rubber impregnated flexible tubing. Arrowhead Rubber Co., Los Angeles, Calif.

AIRVAN—Steel. Firth Sterling Steel and Carbide Corp., McKeesport, Pa.

AISECO—Safety equipment. Burdett Oxygen Co., Cleveland, Ohio.

AJAX—Induction furnaces. Ajax Electrothermic Corp., Div. Ajax Metal Co., Ajax Park, Trenton, N. J.

AJAX—Electric arc welding machines. Railway Trackwork Company, Philadelphia, Pa.

AJAX-HULTGREN—Electric Salt Bath furnaces. Ajax Electric Co. Philadelphia, Pa.

AJAX-NORTHRUP—Induction heating equipment and electric induction furnaces. Ajax Electrothermic Corp., Trenton, N. J.

ALADDIN—Zinc base welding Rod, Aladdin Rod & Flux Mfg. Co., Grand Rapids, Mich.

ALBOX—Aluminum flux. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.

ALCLEANER—Welding flux cleaner. Colonial Alloys Co., Philadelphia, Pa.

ALCOA—Aluminum alloys, welding and brazing rods, electrodes, welding and brazing fluxes, solder wire, castings, sheet, plate, tubing, etc. Aluminum Company of America, New Kensington, Pa.

ALFCO—Fire extinguishers. American LaFrance-Foamite Corp., Elmira, N. Y.

ALFCOSPRAY—Nozzles. American LaFrance-Foamite Corp., Elmira, N. Y.

ALFITE—Fire extinguishers and aircraft systems. American LaFrance-Foamite Corp., Elmira, N. Y.

ALFLEX—Flux coated electrodes. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.

ALFLUX—Aluminum fluxes. Wooldridge Aluminum Welding Products, Glastonbury, Conn.

ALFRAX—Aluminum oxide refractories bonded, cement, bricks, tiles, special shapes. The Carborundum Co., Niagara Falls, N. Y.

ALJAY—Leather welder's clothing. Aljay Mfg. Co., Inc., Philadelphia, Pa.

AL-OX—Aluminum oxide papers and cloths. Clover Manufacturing Co., Norwalk, Conn.

ALPHADIENE—Metal degreasing solvent. Colonial Alloys Co., Philadelphia, Pa.

ALL-PURPOSE—Handles. Martin Wells, Inc., Los Angeles, Calif.

ALL-REZ—Abrasives. Clover Mfg. Co., Norwalk, Conn.

ALL STATE—Alloys and fluxes and cutting electrodes. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 1—Cast iron welding rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 3—Cast iron electrode. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 7—Cast iron solder rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 11—Nickel silver brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 13—Hard overlay nickel silver rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 21—Phosphor copper brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 22—Phosphor-Bronze "A" arc. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 23—Phosphor copper silver brazing rod. All-State Welding Alloys Co., White Plains, N. Y.

ALL STATE No. 24—Phosphor bronze electrode. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 31—Sheet aluminum brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 32—Aluminum electrode. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 33—Cast aluminum brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 39—Aluminum solder rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 41—General purpose brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 45—Brazing compound. All State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 53—Zinc base die cast. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 61—Magnesium brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 100—Silver brazing. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 101—Silver solder. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 120—Silver solder. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 252—High alloys steel. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 299—Special steel. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE No. 321—Galvanizing powder. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE SILVER DISPENSER—Silver brazing. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALL STATE FLUXES—Gas rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.

ALLEGHENY—Chromium-nickel stainless and straight chromium alloy steels. Allegheny Ludlum Steel Corp., Brackenridge, Pa.

ALLEGHENY METAL—Stainless steels. Allegheny Ludlum Steel Corp., Brackenridge, Pa.

ALLEN—A-C transformer type arc welders and combination spot and arc welders. Allen Electric and Equipment Co., Kalamazoo, Mich.

ALLEN—Brazing alloys and rings, wire scratch brushes, fluxes and compounds, solder. L. B. Allen Co., Chicago, Ill.

ALLISON—Arc welding electrode holder. Allison Tool and Engineering Co., Los Angeles, Calif.

ALLMAND—A. C. welding generators, brazing and carbon arc torches, a.c. arc welders and d.c. arc welders. Allmand Bros. Mfg. Co., Holdrege, Nebr.

ALLOY No. 1270—In form of rods, wire, and pre-formed rings. Alloy Specialties Co., Swissvale, Pa.

ALLOY No. 1300—In form of rods, wire, and pre-formed rings. Alloy Specialties Co., Swissvale, Pa.

ALLOY ROD—Carbon molybdenum arc welding rod. Wilson Welder and Metals Co., Inc., New York, N. Y.

ALLSAFE—Welder's clothing, goggles, helmets and accessories. American Allsafe Co., Buffalo, N. Y.

ALMARC—Aluminum electrodes. Wooldridge Aluminum Welding Products, Glastonbury, Conn.

ALNICO—Aluminum, nickel and iron alloy. Taylor-Wharton Iron and Steel Co., High Bridge, N. J.

ALOXITE—Aluminum oxide abrasives-grain, coated, bonded; refractory grain & cement. The Carborundum Co., Niagara Falls, N. Y.

ALOXITE BRAND ALUMINUM OXIDE—Weld grinding wheels. Carborundum Co., Niagara Falls, N. Y.

ALPHALOY—Body solder. Alpha Metals Inc., Brooklyn, N. Y.

ALPHATRON—Polonium static eliminator. Canadian Radium and Uranium Corp., New York, N. Y.

ALPHIL—Spot welder machines. Alphil Spot Welder Mfg. Co., Brooklyn, N. Y.

ALSOD—Aluminum solder. Wooldridge Aluminum Welding Products, Glastonbury, Conn.

ALTEM—Flux and alloy coated gas welding rods. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.

ALTERNARC—Alternating current electric welding equipment including transformers, spot, and arc welding equipment, carbon arc equipment, hydrogen flame and polyphase welders, and machines. Electric Arc, Inc., Newark, N. J.

ALTERNEX—Coated arc welding electrode. Metal and Thermit Corp., New York, N. Y.

ALUBRO-WELD—Tinted protective welding lens. Willson Products, Inc., Reading, Pa.

ALUMAWELD—Aluminum solder and flux. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.

ALUMEX—50-60, 70—Fire brick and kiln liners. Mexico Refractories Co., Mexico, Mo.

ALUMIN-NU—Cleaner for aluminum. Nu Steel Co., Chicago, Ill.

ALUMINIZED—Hot dip aluminum coated sheet steel. Armco Steel Corp., Middletown, O.

ALUMINOX—For cast aluminum welding rods and aluminum flux. Central Steel & Wire Co., Chicago, Ill.

ALUMINOX—Aluminum oxide wheels. American Emery Wheel Works, Providence, R. I.

A-LUM-ITE—Rod for brazing aluminum and welding white metals. United Welding Service Co., Franklin, Pa.

ALUMITE—Fire brick, refractory cement, preheating furnaces and refractories. The Massillon Refractories Co., Massillon, Ohio.

ALUMINWELD—Welding electrode. Lincoln Electric Co., Cleveland, Ohio.

ALUMSIL—Welding cast aluminum silicon rods. Chicago Hardware Foundry Co., North Chicago, Ill.

ALUNDUM—Abrasives. Armour & Co., Coated Abrasives Div., Chicago, Ill.

ALUNDUM—Grinding wheels refractories, aluminum oxide. Norton Co., Worcester, Mass.

ALWAYS RELIABLE—Blow torches, firepots. Otto Berns Co., Inc., Rochester, N. Y.

ALWELD—Oxygen, acetylene and medical trucks. Welded Truck & Specialty Co., Inc., Chicago, Ill.

ALZO-LITE—Floodlight. Benjamin Mfg. Co., Des Plaines, Ill.

A-MAL-GAM—Fluxes. Smith Welding Equipment Corporation, Minneapolis, Minn.

AMAZALOY—Steel hardening compound. All-State Welding Alloys Co., Inc., White Plains, N. Y.

AMBRALOY—Copper aluminum alloys. American Brass Co., Waterbury, Conn.

AMCO—Soldering acids, fluxes and paste. American Solder and Flux Co., Philadelphia, Pa.

AMCOHOOD—Welding helmets. Eastern Equipment Corp., Willow Grove, Pa.

AMCO-GOGGLE—Goggles, welders and clippers. Eastern Equipment Corp., Willow Grove, Pa.

AMCO WELDING FLUX—Welding fluxes, aluminum and aluminum alloys. Monel, nickel base alloys, stainless and heat resisting steel, brass, bronze and coppers as well as cast iron, and steels. American Solder and Flux Co., Philadelphia, Pa.

AMCOROD—Oxy-acetylene welding rods. Eastern Equipment Corp., Willow Grove, Pa.

AMCOWELD—Oxy-acetylene and arc welding accessories, safety equipment and clothing. Eastern Equipment Corp., Willow Grove, Pa.

AMERCLAD—Electrical cables. American Steel and Wire Co., Cleveland, Ohio.

AMERCLAD—Wire cables. Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.

AMERCUT—Cold Gold finished bars. American Steel & Wire Co., Cleveland, Ohio.

AMERHARD SPECIAL—Welding rod. Eastern Equipment Corp., Willow Grove, Pa.

AMERICAN—Calcium carbide. American Carbide & Chemical Corp., St. Louis, Mo.

AMERICAN—Flexible metal hose and tubing. American Oxygen Service Corp., Harrison, N. J.

AMERICAN—Hoist, electric. American Hoist & Derrick Co., St. Paul, Minn.

AMERICAN—Hose, clamps. American Stamping Co., Battle Creek, Mich.

AMERICAN—Vises, cutters, benders, pipe reamers and die stock sets. American Pipe Tool Co., Chicago, Ill.

AMERICAN—Spot welders. Sterling Utilities Co., Inc., Brooklyn, N. Y.

AMERICAN—Flexible metal hose and tubing. The American Brass Co., American Metal Hose Branch, Waterbury, Conn.

AMERICAN—Electrical Wire & Cables. American Steel & Wire Co., Cleveland, Ohio.

AMERICAN SWISS—Swiss Pattern Files, American Swiss File & Tool Co., Elizabeth, N. J.

AMERROD—Oxy-acetylene rods, bars and flux coated electrodes. Eastern Equipment Corp., Willow Grove, Pa.

AMERTRAN—Electric transformers. American Transformers Co., Newark, N. J.

AMER-WELD—Electric spot welding machines. American Transformer Co., Newark, N. J.

AMES WELDER—Spot, butt, seam, flash welders and electric soldering machines. Ames Spot Welder Co., Inc., Brooklyn, N. Y.

A-MOL—Hand hack blades. E. C. Atkins & Co., Indianapolis, Ind.

AMP—Solderless wiring devices. Aircraft-Marine Prod. Co., Harrisburg, Pa.

AMPLI-PRESS—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co., Harrisburg, Pa.

AMPCOLOY—Bronze alloys. Ampco Metal, Inc., Milwaukee, Wis.

AMPCO METAL—Aluminum bronze alloy. Ampco Metal, Inc., Milwaukee, Wis.

AMPCO-TRODE—Coated aluminum bronze welding rod, carbonic metallic arc welding electrodes. Ampco Metal, Inc., Milwaukee, Wis.

AMPCO-TRODE 10, 160, 200, 250, 300—Aluminum bronze welding rod & electrode. Ampco Metal, Inc., Milwaukee, Wisc.

AMPCO-TRODE 10 "AC"—Aluminum bronze welding rod & electrode. Ampco Metal, Inc., Milwaukee, Wisc.

AMPCO-TRODE 10 BARE COILED—Wire-metallizing & automatic. Ampco Metal, Inc., Milwaukee, Wisc.

AMPCO WELD—Resistance welding electrodes. Ampco Metal, Inc., Milwaukee, Wisc.

AMPERE—Canvas stitched belting. Victor Balata & Textile Belting Co., New York, N. Y.

AMSCO DIEWELD—Tool steel welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO ECONOMY HARDFACE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO FARMFACE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO MACHINEFACE—Electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO MANG-CO—Electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO MO-MANG—Electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO NICKEL-MANGANESE—Electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO NICKEL MANGANESE BILLETS—Forgings to order. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO NI-HARD—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO No. 1, 6, 217, 459—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO RAILFACE—Electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO RESISTWEAR—Electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TOOLFACE—Tool steel welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TORCH RAILFACE—Welding rod. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TUBE TUNGSITE—Welding rod and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TUNGROD—Welding rod and electrodes. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TUNGSITE INSERTS—Tungsten carbide inserts. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TUNGSITE METAL—Tungsten carbide bulk metal. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO TUNGSITE NUGGETS—Tungsten carbide bulk metal. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO WELDMENTS—Nickel manganese plates. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSCO WEDGE BARS-REPOINTERS—Dipper teeth repointers. American Manganese Steel Div., American Brake Shoe Company, Chicago Heights, Ill.

AMSWISS—American pattern files. American Swiss File & Tool Co., Elizabeth, N. J.

ANACONDA—Brass products and copper and copper alloy welding rods. American Brass Co., Waterbury, Conn.

ANACONDA 997 (Low Fuming)—Bronze welding rods. American Brass Co., Waterbury, Conn.

ANACONDA ECONOMY BRONZE—Bronze welding rods. American Brass Co., Waterbury, Conn.

ANACONDA SUPER-NICKEL—Welding rods. American Brass Co., Waterbury, Conn.

ANDERSON—Carbon arc torch. Albert & J. M. Anderson Mfg. Co., Boston, Mass.

ANDERSON—Wire wheel brushes & hand scratch brushes. Anderson Corp., Worcester, Mass.

ANNITE—Alloy welding rod. Bisset Steel Co., Cleveland, Ohio.

ANODE—Welding electrode for use on cast iron. Lincoln Electric Co., Cleveland, Ohio.

ANSUL—Fire extinguishers and chemicals. Ansul Chemical Co., Marinette, Wis.

ANTI-BORAX—Fluxes for use in welding cast iron, brass, bronze, malleable iron, steel and aluminum, also "ABC" for sheet aluminum, welding and brazing fluxes. Anti-Borax Compound Co., Fort Wayne, Ind.

ANTI-FOG—Compound for safety goggles lens to keep them from fogging. American Optical Co., Southbridge, Mass.

ANTI-FOG "COMP. MCG."—Compounds, anti-fog, lens cleaner. Merix Chemical Co., Chicago, Ill.

ANTI-SPATTER—Spatter preventative. Wolfe-Kote Co., Inc., Sheboygan, Wis.
ANTIGLARE—Lenses. Chicago Eye Shield Co., Chicago, Ill.
APPLETON—Plugs and receptacles, connectors, pay-out and take-up reels. Appleton Electric Co., Chicago, Ill.
AQUA SOL—Water soluble grinding compound. Wayne Chemical Products Co., Detroit, Mich.
AQUAMAG—Magnesium oxide filler in welding rod coatings. Foote Mineral Co., Philadelphia, Pa.
AQUIFLUX—Soldering flux. Special Chemicals Co., New York, N. Y.
ARC-BAN—Welding goggles. Bausch & Lomb Optical Co., Rochester, N. Y.
ARC-BAN—Welding plates for arc welding helmets. Kimball Safety Products Co., Cleveland, Ohio.
ARC-CRAFT ELECTRODES—Electrodes. Allied Weld-Craft, Inc., Indianapolis, Ind.
ARC-FIT—Tube and pipe notching tools. Vogel Tool & Die Corp., Chicago, Ill.
ARC-FLEX—Cable. Arc Welding Supply Co., Bronx, N. Y.
ARC MASTER—Electrode holders. Wagner Manufacturing Co., Inc., Jackson, Mo.
ARC POSITIONER—Adjustable mount for automatic welding heads. Mark F. Gouran. Philadelphia, Pa.
ARC RITE—A.C. arc welder. Mellophone Corp., Rochester, N. Y.
ARC TIME TOTALIZER—Instrument recording. Hewlett-Packard Co., Palo Alto, Calif.
ARC-WELD—Electrodes. Arc Welding Supply Co., Bronx, N. Y.
ARCALOY—Stainless steel electrodes. Alloy Rods Co., York, Pa.
ARCAST—Electrode-castiron. American Arc Welders, Inc., Roseau, Minn.
ARCMASTER—High frequency unit for attachment to any type of A-C arc welder. Welding Apparatus Co., Chicago, Ill.
ARCO WAND—Flux recovery unit. American Vacuum Co., Chicago, Ill.
ARCOS—Special alloy electrodes. Arcos Corp., Philadelphia, Pa.
ARCRONOGRAPH—Graphic instrument for recording uniformity of arc stream. Rubicon Company, Philadelphia, Pa.
ARCTROL—Crater eliminator. Mullenbach Electrical Mfg. Co., Los Angeles, Calif.
ARMALOY—Alloy steel wrenches, socket and drive parts wrenches. Armstrong Bros. Tool Co., Chicago, Ill.
ARMCO—Stainless steels, spiral welded pipe, zinc grip sheet steel, aluminized sheet metal, galvanized paint grip steel, cold rod paint grip. Armco Drainage & Metals Products, Inc., Middletown, Ohio.
ARMCO GALVANIZED PAINTGRIP—Galvanized zinc-coated sheet iron or steel. Armco Steel Corp., Middletown, Ohio.
ARMCO ELECTRICAL STEEL—Silicon alloy steel. Armco Steel Corp., Middletown, Ohio.
ARMCO ENAMELIN IRON—Refined sheet iron. Armco Steel Corp., Middletown, Ohio.
ARMCO HIGH STRENGTH STEEL—Low-alloy sheet steel. Armco Steel Corp., Middletown, Ohio.
ARMCO INGOT IRON—Highly refined iron. Armco Steel Corp., Middletown, Ohio.
ARMCO LONG TERNES—Iron or steel sheets coated with an alloy of lead and tin. Armco Steel Corp., Middletown, Ohio.
ARMCO STAINLESS STEEL—Chromium-iron and chromium-nickel iron alloys in sheets, strip, plates. Armco Steel Corp., Middletown, Ohio.
ARMCO ZINCGRIP—Zinc-coated sheet metal. Armco Steel Corp., Middletown, Ohio.
ARMCO ZINCGRIP-PAINTGRIP—Zinc-coated sheet metal. Armco Steel Corp., Middletown, Ohio.
ARMGLO—Resistance welders, automatic timers for resistance welders and resistance welding electrodes. Armglo Co., Milwaukee, Wis.
ARMITE—Hard facing material and welding rods. Armite Laboratories, Los Angeles, Calif.
ARMITE-ELD—Hard-facing rods, water course and mud-gun nozzle. Armite Laboratories, Los Angeles, Calif.
ARMORIZE—Electrodes. Crucible Steel Co. of America, New York, N. Y.
ARMSTRONG—Forged steel "C" clamps. Armstrong Bros. Tool Co., Chicago, Ill.
ARMSTRONG—Pipe cutter wheels etc. Collmer Bros., South Bend, Ind.
ARMSTRONG—Fire bricks, refractory cement. Armstrong Cork Co., Lancaster Pa.
ARMSTRONG BRIDGEPORT—Pipe tools. Capewell Mfg. Co., Hartford, Conn.
ARMSTRONG BROS.—Bolt dies, die stock sets, pipe jaws for vises, bolt stocks and dies, pipe vises, chain vise pipe, pipe receding threader, portable power pipe threader, pipe cutters, tube cutter, pipe reamer, pipe wrenches, chain pipe tongs. Armstrong Bros. Tool Co., Chicago, Ill.
ARO—Lubrication equipment, pneumatic tools and aircraft parts. The Aro Equipment Corp., Bryan, Ohio.
ARROW-BLAST—Abrasive for sand blasting. Norton Co., Worcester, Mass.
ASBESTOS FIREMAN—Safety Clothing. Wheeler Protective Apparel, Inc., Chicago, Ill.
ASCO—Acetylene. Acetylene Service Co., Denver, Colo.
ASHCROFT—Indicating and recording pressure gauges. Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
ATCO—Cast iron welding rods. Atlas Foundry Co., Cleveland, Ohio.
ATCO ALLOY No. 7—Cast iron rods for high pressure welding. Atlas Foundry Co., Cleveland, Ohio.
ATCO MOLY-NICKEL—Cast iron alloy welding rods. Atlas Foundry Co., Cleveland, Ohio.
ATCOTRAN—Electrical measurement system. Automatic Temperature Control Co., Inc., Philadelphia, Pa.
ATCOTRONIC—Timers-Contactors. Automatic Temperature Control Co., Inc., Philadelphia, Pa.
ATLAS—Cast iron welding flux. Air Reduction Sales Co., New York, N. Y.
ATLAS—Weld cleaning tools, cleaning brushes, dual-case & tools; marking hammers and hand stamps. Atlas Welding Accessories Co., Ferndale, Mich.
ATLAS—Torch lighters. Flint Products Co., Brooklyn, N. Y.
ATLAS CLEANING BRUSH—Wire bristle weld cleaning brush. Atlas Welding Accessories Co., Ferndale, Mich.
ATLAS DUAL-CASE—Carrying case of leather. Atlas Welding Accessories Co., Ferndale, Mich.
ATLAS MODEL A DUAL-TOOL—Combination heavy-duty chipping hammer and wire bristle brush. Atlas Welding Accessories Co., Ferndale, Mich.
ATLAS MODEL B DUAL-TOOL—Combination chipping hammer and wire bristle brush. Atlas Welding Accessories Co., Ferndale, Mich.
ATLAS SYMBOL HAMMER—Combination weld cleaning hammer with symbol insert for permanent marking. Atlas Welding Accessories Co., Ferndale, Mich.
ATLAS UNIVERSAL TOMAHAWK—Weld cleaning tool. Atlas Welding Accessories Co., Ferndale, Mich.
ATOMIC—Insulated electric holders. Welding Engineering Corp., Milwaukee, Wis.
ATRAX—Rotary files. The Atrax Co., Newington, Conn.
AUDUBON—Wire cloth. Manganese Steel Forge Co., Philadelphia, Pa.
AUFHAUSER—Machinery used in production of welding electrodes. Aufhauser Bros. Co., New York, N. Y.
AUTO-ARC—Welding head, welding fixtures and automatic welding wire. Auto Arc Weld Mfg. Co., Cleveland, Ohio.
AUTOCHEMIC—Fluxes. Eutectic Welding Alloys Corp., New York, N. Y.
AUTOGENIZER—Compound. Lincoln Electric Co., Cleveland ,Ohio.
AUTO-BLOC—Chain hoists. David Round & Son, Cleveland, O.
AUTO-LITE—Dials, indicating and recording thermometers and recording gauges. Instrument Div., Electric Auto-Lite Co., Toledo, Ohio.
AUTOMAT—Welding torch. Modern Engineering Co., Inc., St. Louis, Mo.
AUTOMATIC—Welding torches. The Harris Calorific Co., Cleveland, Ohio.
AVIATOR—Welding torch. Modern Engineering Co., Inc., St. Louis, Mo.
AVIATOR JET—Welding & cutting torches and outfits. Modern Engineering Co., Inc., St. Louis, Mo.
A. W. SPECIAL—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
AXIVANE—Ventilating blowers and exhaust fans. Joy Mfg. Co., Pittsburgh, Pa.
AZTEX—Fire Brick. Mexico Refractories Co., Mexico, Mo.

B

B&B—Safety slings. Broderick & Bascom Rope Co., St. Louis, Mo.
B&H—Welder's gloves, leather jackets, cape sleeves, overalls and pants and other accessories for welders and flame cutting operators. B&H Welders' Supplies, Portsmouth, Va.
B&W—Straight-edge held in place by magnets. B&W Co., Los Angeles, Calif.
BBB—Carbon electrodes, carbon plates and paste, copper coated cored carbon electrodes, carbon brush sets. Becker Bros. Carbon Co., Cicero, Ill.
BADGER—Permanent air filters. Badger Corp., Milwaukee, Wis.
BAFFLE CRETE—For monolithic baffle construction. Mexico Refractories Co., Mexico, Mo.
BAHCO—Pipecutters, forges, hand power hoists, ladles, pipe bending machines, metal cutting-shear machines and pipe vises. Sandvik Saw & Tool, New York, N. Y.
BALBACH—Dry oxygen and acetylene. The Balbach Co., Omaha, Neb.
BALDWIN—Roller chains. Chain Belt Co., Milwaukee, Wisc.
BALL-GRIP—Electrode holder. McClary & Byers Equipment Co., Oakland, Calif.
BANNER—Resistance welders. Banner Manufacturing Co., Milwaukee, Wisc.
BANNER—Welding compound. Cortland Welding Compound Co., Cortland, N. Y.
BANTAM BULLY—Pneumatic chipping and peening hammer. Superior Mfg. Co., Div., Bingham Herbrand Corp., Cleveland, Ohio.
BANTAM BULLY FULFLO FILTER—Filters. Superior Mfg. Co., Div., Bingham Herbrand Corp., Cleveland, Ohio.
BARGER—Dust collector. Ralph Maitland, Cleveland, Ohio.
BAR-LOK—C clamps, ground clamps, mach., vises, pressure units for jigs, fixtures. Mechanics Engineering Co., Jackson, Mich.
BARNES—Pipe cutter wheels, etc. Collmer Bros., South Bend, Ind.
BARRET—Jacks. Duff Norton Mfg. Co., Pittsburgh, Pa.
BAR RUST—Rust inhibiting primers. The Midland Paint and Varnish Co., Cleveland, Ohio.
BARTLETT COMPOUND LEVER—Metal cutting shears. Bartlett Manufacturing Co., Detroit, Mich.
BASA—Machinist hammers. Greene, Tweed & Co., North Wales, Pa.
BASCO—Welders' clothing, gloves and protective garments. Boston Athletic Shoe Company, Cambridge, Mass.
BAYFLEX—Abrasive disc-wheels. Bay State Abrasive Prod. Co., Westboro, Mass.
BAY STATE—Grinding wheels, lapping stones, polishing wheels and abrasive bricks. Bay State Abrasive Products Co., Westboro, Mass.
BEAM-HUGGER—Trolley hoist. David Round & Son, Cleveland, O.
BEAMOGRAPH—Flame cutting machine. Air Reduction Sales Co., New York, N. Y.
BEARCAT—Electric hoists. The Harrington Co., Phila., Pa.
BEAVER—Pipe and bolt threading tools and machines. Beaver Pipe Tools, Inc., Warren, Ohio.
BECKER BROS.—Replacement carbon brushes. Becker Bros. Carbon Co., Cicero, Ill.
BEFCO—Cast iron, cast aluminum and cast manganese bronze welding rods. Bierman-Everett Foundry Co., Irvington, N. J.
BELDEN—Welding cable and power supply cable. Belden Mfg. Co., Chicago, Ill.
BELL TOP—Torch lighters. Flint Products Co., Brooklyn, N. Y.
BELMONT—Metals. Belmont Smelting Refining Works, Inc., Brooklyn, N. Y.
BEN-NEK—Electrode holder. Ben-Nek Holder, Inc., East Haven, Conn.
BERGER—Steel work benches and lockers. Berger Mfg. Div. of Republic Steel Corp., Canton, Ohio.
BERG SHARK BRAND—Chisels, bolt and wire cutters, pliers and hand punches and vises. Sandvik Saw & Tool. New York, N. Y.
BERGSTROM—Alloy hard-facing electrodes. Bergstrom Alloys Corp., Reno, Nev.
BERKELEY—Continuous longitudinal seam welder. Penn Tool & Machine Co., Danville, Ill.
BERYLCO—Electrodes. Beryllium Corp., Reading, Pa.
BERYL-TRODE—Copper-base alloy electrode. Ampco Metals, Inc., Milwaukee, Wis.
BESCO—Spot welder. Tweezer Weld Corp., Newark, N. J.
BEST—Water hardening tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
BEST EFFECT—Rust and stain removers for metals. Best Effect Chemical Co., Hackensack, N. J.
BEST YET—Coated cover lens and plates. Sellstrom Mfg. Co., Chicago, Ill.
BETTERWELD—Cast iron welding flux. Victor Equipment Co., San Francisco, Calif.
BIG AMP—Cable connectors. Plastal Manufacturing Co., Pasadena, Calif.
BIG BERTHA—Preheating torch. L. B. White Co., La Crosse, Wis.
BIG BRUTE—Welding ground clamp. Mueller Electric Co., Cleveland Ohio.
BIG BULLY—Pneumatic hammer. Superior Mfg. Co., Div., Bingham Herbrand Corp., Cleveland, Ohio.
BIG SHOT—Portable spot welders. A-C devices & Products, Chicago, Ill.
BIG THREE—Oxy-acetylene and electric arc welding equipment, welding rods, electrodes, and accessories, and oxygen and acetylene. Big Three Welding Equipment Co., Fort Worth, Tex.
BILLINGS—Wrenches. The Billings & Spencer Co., Hartford, Conn.
BINGHAMTON—Flexible shaft machines. Binghamton Flexible Shaft Div., Swartz & White Mfg. Co., Binghamton, N. Y.
BINGO—Soldering kit. Beaverdell Co., Chicago, Ill.
BINGROD—Welding rod. Bingrod Co., Kalamazoo, Mich.
BIRDSELL PRODUCTS—A.C. arc and spot welders; carbon arc torches. Birdsell Manufacturing Co., Los Altos, Calif.
BISCO—Electric-arc welding rods. Bissett Steel Co., Cleveland, Ohio.
BLACK & DECKER—Portable electric tools. Black & Decker Mfg. Co., Towson, Md.
BLACK ARROW—Oxy-acetylene welding and cutting equipment and accessories. The Black Mfg. Co., Baltimore, Md.
BLACK DEVIL—Flux coated welding electrodes. The Champion Rivet Co., Cleveland, Ohio.
BLACK DEVIL 75—Welding electrodes. The Champion Rivet Co., Cleveland, Ohio.
BLACK MAGIC—Hard-facing flux. Universal Welder Corp., Cleveland, Ohio.
BLACKSMITH & GARAGE—Floor grinder. Clizbe Bros., Plymouth, Ind.
BLACK PANTHER—Twist drills. Cogsdill Twist Drill Co., Detroit, Mich.
BLANC—Liquid solder paste. Farrelloy Co., Phila., Pa.
BLASTFOE—Sand blasting helmets and masks. Mine Safety Appliance Co., Pittsburgh, Pa.
BLASTITE—Burner igniters. Eclipse Fuel Eng. Co., Rockford, Ill.
BLASTITE—Aluminum oxide abrasive grain for pressure blasting. The Carborundum Co., Niagara Falls, N. Y.
BLAZECRETE—Castable refractories. Johns-Manville, New York, N. Y.
BLINKER—Helmet. Welding Apparatus Co., Chicago, Ill.
BLOFLEX—Ventilating hose. American Ventilating Hose Co., New York, N. Y.
BLU-FLEX—Flexible blades. Millers Falls Co., Greenfield, Mass.
BLU-MOL—Hack saw blades. Millers Falls Co., Greenfield, Mass.
BLUE BOY—Differential hoist. Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
BLUE BRUTE—Portable air compressors. Worthington Pump & Machinery Corp., Harrison, N. J.
BLUE CENTER—Wire rope. John A. Roebling's Sons Co., Trenton, N. J.
BLUE CHIP STEEL—Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
BLUE DEVIL—Flux coated welding electrodes. The Champion Rivet Co., Cleveland, Ohio.
BLUE DEVIL 85—Heavy flux coated electrodes. The Champion Rivet Co., Cleveland, Ohio.
BLUE END—Wood folding rule. Master Rule Mfg. Co., Middletown, N. Y.
BLUE FLASH—Torches and regulators. Arc Welding Supply Co., Bronx, N. Y.
BLUE NOSE—File, handles. American Stamping Co., Battle Creek, Mich.
BLUE ROD No. 40—Cast iron welding electrodes. Marquette Mfg. Co., Minneapolis, Minn.
BLUE STAR—Knives. E. C. Atkins & Co., Indianapolis, Ind.

BLUE STRIPE—Silicon carbide papers and cloths. Clower Manufacturing Co., Norwalk, Conn.
BLUE TIP—Wood folding rule. Master Rule Mfg. Co., Middletown, N. Y.
BLUE TIP—Bronze welding rods. Mueller Brass Co., Port Huron, Mich.
BLUEDAC—Heavy, flux coated electrodes. The Champion Rivet Co., Cleveland, Ohio.
BLUKOTE—A coated electrode. Central Steel and Wire Co., Chicago, Ill.
BODY-GUARD—Welding helmets. Burdett Oxygen Co., Cleveland, Ohio.
BOKERWELD—Stainless steel and special alloy arc welding electrodes. H. Boker & Co., Inc., New York, N. Y.
BONALOY—Hand tools. Bonney Forge & Tool Works, Allentown, Pa.
BOND ROD—Ground clamp. H. B. Sherman Mfg. Co., Battle Creek, Mich.
BONNEY—Drop forged welding flanges. Bonney Forge and Tool Works, Allentown, Pa.
BORAX-ETTE—Flux for forge welding. Cortland Welding Compound Co., Cortland, N. Y.
BORCOTE—Organic filler for welding. Foote Mineral Co., Philadelphia, Pa.
BORIUM—Tungsten carbide inserts & sand blast nozzles. Stoody Co., Whittier, Calif.
BOROD—Hard facing rods and electrodes. Stoody Co., Whittier, Calif.
BOROLON—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.
BOSS RED SEAL—Heavy Canton flannel gauntlet glove. The Boss Mfg. Co., Kewanee, Ill.
BOSS HI-BAK—Leather combination gauntlet glove. The Boss Mfg. Co., Kewanee, Ill.
BRAKE SHOE—Paint spray equipment. Kellogg Div. of American Brake Shoe Co., Rochester, N. Y.
BRASSWELD—Powdered brass flux for brazing steel, malleable iron and brass. Sight Feed Generator Co., West Alexandria, Ohio
BRAZ-CAST—Flux for bronze welding. Anti-Borax Compound Co., Fort Wayne, Ind.
BRAZE-CLAD—Silver brazing alloy laminated to base metal. Sherman & Co. (American Silver Co.), Flushing, N. Y.
BRAZ-WELD—Self fluxing brazing rods. Krembs & Co., Chicago, Ill.
BRAZALOY—Welding and brazing alloys and fluxes. All-State Welding Alloys Co., Inc., White Plains, N. Y.
BRAZARC—Coated bronze arc welding electrode. Universal Welding Corp., Cleveland, Ohio.
BRAZEWELL—Flux used for bronze welding. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.
BRAZO FLUX—Flux for bronze-welding and brazing. The Linde Air Products Co., Unit of Union Carbide and Carbon Corp., New York, N. Y.
BRAZOX—Soft brass brazing wire. Central Steel & Wire Co., Chicago, Ill.
BRIDGEPORT—Bronze welding alloys. Bridgeport Brass Co., Bridgeport, Conn.
BRIDGEPORT—Chains. Bridgeport Chain & Mfg. Co., The, Bridgeport, Conn.
BRIGGS—Air operated, portable, automatic spotwelder. Briggs Mfg. Co., Detroit, Mich.
BRIGHT 110G—High carbon steel welding rod. Central Steel and Wire Co., Chicago, Ill.
BRIGHT BOY—Rubber abrasives, metal cleaners and polishers. Weldon Roberts Rubber Co., Newark, N. J.
BRISTOL'S—Time recorders, pyrometers and recording instruments. Bristol Co., Waterbury, Conn.
BRITEBLADE—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
BRITE-N-NU—Cleaner for copper. Nu Steel Co., Chicago, Ill.
BROMITE—Aircraft systems. American-La-France-Foamite Corp., Elmira, N. Y.
BRONCO 60 CERTIFIED—Welding cables. Western Insulated Wire Co., Los Angeles, Calif.
BRONZ-ARC—Electrode-bronze. American Arc Welders, Inc., Roseau, Minn.
BRONZE-ARC—Electrodes, bronze. Alloy Rods Co., York, Pa.
BRONZE DEVIL—Bronze electrode. Champion Rivet Co., Cleveland, O.
BRONZE-ROD No. 61—Bronze welding electrode. Marquette Mfg. Co., Minneapolis, Minn.
BRONZEND—Bronze-alloy electrodes. Arcos Corp., Philadelphia, Pa.
BRONZEWELD—Brazing fluxes for cast iron and steel. Alfco Labs, Chicago, Ill.
BRONZEWELD—Powdered bronze flux for brazing bronze, cast iron and steel. Sight Feed Generator Co., West Alexandria, Ohio
BRONZKOTE—Flux coated bronze rod. Central Steel and Wire Co., Chicago, Ill.
BRONZOCHROM—Welding rods and fluxes. Eutectic Welding Alloys Corp., New York.
BRONZOLATEM—Low temperature brazing rods. Permalatem Welding Alloys Co., Neptune, N. J.
BRONZOX M—Bronze gas welding rod. Central Steel & Wire Co., Chicago, Ill.
BROWN—Chains, Bridgeport Chain Mfg. Co., The, Bridgeport, Conn.
BROWNIE—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
BRUNNER—Air compressors and refrigeration units. Brunner Mfg. Co., Utica, N. Y.
BRYANT—Impact hammer. Bryant Products Distributing Co., Jackson, Mich.
BUCKAGE—Grinders, buffers, drills, etc. Buckeye Tools Corp., Dayton, Ohio.
BUCKEYE—Oxygen, acetylene, and welding and cutting equipment. Buckeye Oxygen Co., Canton, Ohio.
BUCKEYE—Grinders, buffers, drills, etc. Buckeye Tools Corp., Dayton, Ohio.
BUCKEYE—Coil chain. The Cleveland Chain & Mfg. Co., Cleveland, Ohio.
BUDA—Diesel-Electric and gasoline-electric generator sets. The Buda Co., Harvey, Ill.
BUDGIT—Electric hoists, chain blocks, coro reels, trolleys and crane assemblies. Manning, Maxwell & Moore, Inc., Muskegon, Mich.
BUFFALO—Fans, benders, shears, blowers, collectors, exhausters and bending rolls. Buffalo Forge Co., Buffalo, N. Y.
BUFFALO—Fire extinguishers, recharges and fire alarms. Buffalo Fire Appliance Corp., Dayton, Ohio.
BULL DOG—Welding hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.
BULL DOG—Metal electric holder. Welding Engineering Corp., Milwaukee, Wis.
BULLDOG—Toolholders. Vascoloy-Ramet Corp., Waukegan, Ill.
BULLARD—Respirator. E. D. Bullard Co., San Francisco, Calif.
BULLS-EYE—Welding gloves. Universal Leather Co., Berlin, Wis.
BULLY BLOW GUN—Blow gun. Superior Mfg. Co., Div., Bingham Herbrand Corp., Cleveland, Ohio.
BULLY SPEED COUPLER—Couplers. Superior Pneumatic Div. of Herbrand Tools, Cleveland, O.
BUMBLE BEE—A-C welder. Air Reduction Sales Co., New York, N. Y.
BUNELL—Special tools, dies, jigs, fixtures and special machines. Bunell Machine & Tool Co., Cleveland, Ohio
BUNDYWELD—Steel tubing, monel tubing, and nickel tubing. Bundy Co., Detroit, Mich.
BURDOX—Acetylene, oxygen. Burdett Oxygen Company, Cleveland, Ohio.
BURT-WELD—Welding lens. B. F. McDonald Co., Los Angeles, Calif.
BUTT ON SPOT—Butt welding attachment. Robert W. Hoffman Co., Inc., Chicago, Ill.

C

C-30—Machineable-flame hardening. The Champion Rivet Co., Cleveland, Ohio.
CCC METAL—Welding tips for spot welding machines. American Electric Fusion Corp., Chicago, Ill.
CCOCO—Oxygen and acetylene gases compressed in cylinders. Corpus Christi Oxygen Co., Corpus Christi, Texas.
CEE—Aluminum "C" clamps. Foster Alum. Alloy Prod. Corp., Forestville, N. Y.
C-F—Welding positioners. Cullen-Friestedt Co., Chicago, Ill.
C-H—Magnetic and electronic timers, contactors and accessories. Cutler-Hammer, Inc., Milwaukee, Wis.
C-L—Chipping and slag removal hammers, and first aid kits. Carter-Lockard Co., Los Angeles, Calif.
C&L—Blow torch and air pots. Clayton & Lambert Mfg. Co., Louisville, Ky.
CM—Ratchet lever hoist and cranes. Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
CM—Fire retardant. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
CM-50—Alloy electrode. Harnischfeger Corp., Milwaukee, Wis.
CMD—Chipping hammers and "C" clamps. Chicago Mfrs. & Distributing Co., Chicago, Ill.
CP—Pneumatic tools, weld flux chippers, scaling tools, hose couplings and files. Chicago Pneumatic Tool Co., New York, N. Y.
CR—Air control valve. Eclipse Fuel Engineering Co., Rockford, Ill.
CABLE KING—Wire rope, electric hoist. The Yale & Towne Mfg. Co., Philadelphia, Pa.
CABLE-TITE—Cable connector and welding lugs. Hollup Corp., Chicago, Ill.
CADDY—Cable connectors, ground clamps, electrode holders, cable splicers and welding cable lugs. Erico Products Inc., Cleveland, O.
CADWELD—Cable connectors, ground clamps, electrode holders, cable splicers and welding cable lugs. Erico Products Inc. Cleveland, O.
CADWELDER—Cable splicer. Erico Products Inc, Cleveland O.
CALDER—Grinding wheel, dressers and cutters. Calder Mfg. Co., Lancaster, Pa.
CALGRAN—Granular marble. Foote Mineral Co., Philadelphia, Pa.
CALOBAR—Glass for goggles and welding helmets. American Optical Co., Southbridge, Mass.
CAMOGRAPH—Oxy-acetylene cutting machine. Air Reduction Sales Co., New York, N. Y.
CAMPBELL—Abrasive cutting machines. Campbell Machine Div. of American Chain & Cable Co., Inc., Bridgeport, Conn.
CAMPBELL—Chain. International Chain & Mfg. Co., York, Pa.
CANADIAN—Calcium carbide. Shawinigan Products Corporation, New York, N. Y.
CANDEE-SMITH—Governors for gas engine driven electric welders. Candee's Machine Shop, Los Angeles, Calif.
CANDOR—Welders' leather work gloves. Candor Glove Co., Candor, N. Y.
CAN'T BEAT EM—Tool handles. O. P. Link Handle Co., Salem, Ind.
CAPUTO-CRAWFORD—Kinetic stored energy system for resistance welding. Progressive Welder Co., Detroit, Mich.
CARBIC—Calcium carbide & floodlights. The Linde Air Products Co., Unit of Union Carbide and Carbon Corp., New York, N. Y.
CARBO—Oxygen, carbo-hydrogen, welding and cutting equipment, welding supplies and accessories. National Cylinder Gas Co., Chicago, Ill.
CARBO—Baked carbons. Hobart Brothers Co., Troy, Ohio.
CARBOFRAX—Silicon carbide refractories bonded, cements, special shapes. The Carborundum Co., Niagara Falls, N. Y.
CARBOLITE—Calcium carbide. The Linde Air Products Co., Unit of Union Carbide and Carbon Corp., New York, N. Y.
CARBOLITE—Silicon carbide wheels. American Emery Wheel Works, Providence, R. I.
CARBOLOY—Cemented carbides for tools, dies, masonry drills, diamond dressers, wear resistant parts. Carboloy Co., Inc., Detroit, Mich.
CARBON-MOLY 50—Electrode. Metal & Thermit Corp., New York, N. Y.
CARBON PUTTY—Carbon compound. Smith Welding Equipment Corporation, Minneapolis, Minn.
CARBORA—Grinding wheels and abrasive products. Cortland Grinding Wheels Corp., Chester, Mass.
CARBORUNDUM—Silicon carbide, aluminum oxide, garnet, flint, emery and diamond coated and bonded abrasives; grain, belts, compounds, discs, stones, wheels, etc., refractory products. The Carborundum Co., Niagara Falls, N. Y.
CARBORUNDUM BRAND SILICON CARBIDE—Grinding wheels. Carborundum Co., Niagara Falls, N. Y.
CARBURS—Carbide Rotary Files. Lincoln Park Ind., Inc., Lincoln, Mich.
CARENO—A-C welding electrode. Arcos Corp., Philadelphia, Pa.
CARHOFF—Electrode holder. Carhoff Co., Cleveland, Ohio.
CARILLOY (USS)—Alloy steels. Carnegie-Illinois Steel Corp., Pittsburgh, Pa.
CAROLUS—Bolt, rod and wire cutters. Manco Mfg. Co., Bradley, Ill.
CARPENTER—Stainless steel bars, strip, drill rod, welded tubing, welding rods, tool steel, alloy steel, etc. Carpenter Steel Co., Reading, Pa.
CARPENTER STAINLESS No. 20—Wire for weld rods. The Carpenter Steel Co., Reading, Pa.
CASCADE—Oxygen and nitrogen. The Linde Air Products Co., Unit of Union Carbide and Carbon Corp., New York, N. Y.
CASCO—Liquid and paste flux. Flux-All Chemical Products, New York, N. Y.
CASH-ACME—Regulators and valves. A. W. Cash Valve Manufacturing Corp., Decatur, Ill.
CASTINGWELD—A-C or D-C electrode. Westinghouse Electric Corp., E. Pittsburgh, Pa.
CASTIRONARC—Arc welding electrodes. Universal Welding Corp., Cleveland, Ohio.
CASTOLIN—Alloys and fluxes. Eutectic Welding Alloys Corp., New York, N. Y.
CASTOX—Welding rod and flux. Central Steel & Wire Co., Chicago, Ill.
CAST REFRACT—Refractories. Quigley Co., Inc., New York, N. Y.
CAST-ROD No. 42—Electrode. Marquette Mfg. Co., Minneapolis, Minn.
CASTWELD—Rod. Steel Sales Corp., Chicago, Ill.
CASTWELD—For welding cast-iron. Rankin Mfg. Co., Los Angeles, Calif.
CELL CRETE—Castable refractory. Mexico Refractories Co., Mexico, Mo.
CERTAIN CURTAIN—Electric heat treating furnaces. C. I. Hayes, Inc., Providence, R. I.
CERTI-CRIMP—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co., Harrisburg, Pa.
CERTIFIED STAINLESS ELECTRODES—Stainless steel electrodes. McKay Co., Pittsburgh, Pa.
CESCO—Goggles, helmets, hand shields, masks, etc. Chicago Eye Shield Co., Chicago, Ill.
CESCOWELD—Glass for lenses and in plate form for welding goggles and helmets for oxy-acetylene and electric welding. Chicago Eye Shield Co., Chicago, Ill.
CHAIN - O - FLEX—Overhead Conveyor. Industrial Equipment Co., Chicago, Ill.
CHALLENGE—Lapping plates, layout surface plates, bench plates, work benches, surface plate, straight edges, solid parallels, box parallels, angle plates, V-blocks and abrasive cut-off machines. Challenge Machinery Co., Grand Haven, Mich.
CHALLENGE—Steel tapes. Lufkin Rule Co., Saginaw, Mich.
CHAMBERS—Helmet goggles for oxy-acetylene welding and cutting. Carter-Lockard Co., Los Angeles, Cal.
CHAMPION—Air compressors. Champion Pneumatic Mach. Co., Chicago, Ill.
CHAMPION—Electrodes. The Champion Rivet Company, Cleveland, Ohio.
CHAMPION—Pneumatic tools. The Dallet Co., Philadelphia, Pa.
CHAMPION—Pipe vise stand. Nye Tool Co., Chicago, Ill.
CHAMPION—Welding goggles, lens. Burdett Oxygen Co., Cleveland, Ohio.
CHAMPION—Fluorescent and incandescent lamps. Champion Lamp Works, Lynn, Mass.
CHAMPION AIRCRAFT—Electrodes for air craft welding. The Champion Rivet Co., Cleveland, Ohio.
CHAMPION DE ARMENT—Hammers, chisels etc. Champion DeArment Tool Co., Meadville, Pa.
CHANITE—Self-welding electric heating element flux. Chanite Sales Co., Fort Worth, Tex.
CHANNELLOCK—Pliers. Champion De Arment Tool Co., Meadville, Pa.
CHASE—Brass, bronze, and copper products. Chase Brass & Copper Co., Inc., Waterbury, Conn.
CHEK-SHOCK—Cushion for protecting regulators and valves on oxygen, hydrogen and other high pressure gas systems. Chek-Shock Mfg. Co., Fowler, Cal.
CHELSEA—Ventilating fans and blowers. Chelsea Fan & Blower Co., Inc., Irvington, N. J.
CHEMOX—Hoods, masks and oxygen masks. Mine Safety Appliance Co., Pittsburgh, Pa.
CHERRY HEAT—Compounds for forge welding hammer or roll welding of various steel products. Cortland Welding Compound Co., Cortland, N. Y.
CHERRY HEAT-SPECIAL—Various Forge Welding Compounds for special purposes. Cortland Welding Compound Co., Cortland, N. Y.

CHESTER—Hoists, trolleys, etc. The National Screw & Mfg. Co., Chester Hoist Div., Lisbon, Ohio.
CHIEF—Fire hose. Quaker Rubber Corp., Philadelphia, Pa.
CHIMO—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
CHINALAK—Insulating varnish. John C. Dolph Co., Newark, N. J.
CHIP-BAN—Safety Glasses. Bausch & Lomb Optical Co., Rochester, N. Y.
CHIP-WELD—Combination welding and chipping goggle. Willson Products, Inc., Reading, Pa.
CHLOREND—Electrode for hastelloy alloys. Acros Corp., Philadelphia, Pa.
CHROMANG—Austenitic electrodes. Arcos Corp., Philadelphia, Pa.
CHROME-BORIDE—Electrodes, hard facing. Alloy Rods Co., York, Penna.
CHROME-CLAD—Steel tapes. Lufkin Rule Co., Saginaw, Mich.
CHROME MOLY—Welding rod. Central Steel & Wire Co., Chicago, Ill.
CHROMEND—Stainless steel electrodes. Arcos Corp., Philadelphia, Pa.
CHROME VANOX—Alloy welding rod. Central Steel and Wire Co., Chicago, Ill.
CHROMEWELD 4-6—Electrode. Lincoln Electric Co., Cleveland, Ohio.
CHROMIX—Refractories. Quigley Co., Inc., New York, N. Y.
CHROMOLY—Series of high tensile electrodes. Champion Rivet Co., Cleveland, O.
CINCH—Steel cement. Claud S. Gordon Co., Chicago, Ill.
CIRCLE C—High-speed steel. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
CIRCLE MIXER—Mixing device in oxy-acetylene torches. Modern Engineering Co., Inc., St. Louis, Mo.
CIROD—Cast iron weld rod. Cirod Distributing Corp., Lyons, Ill.
CLARK—Electric drills and sanders. James Clark, Jr. Electric Co., Louisville, Ky.
CLASP—Welding cable disconnect splice. Burndy Engineering Co., Inc., New York, N. Y.
CLECO—Pneumatic chippers, hammers and scaling tools. Cleco Div., Reed Roller Bit Co., Houston, Texas.
CLE-FORGE—High speed drills. The Cleveland Twist Drill Co., Cleveland, Ohio.
CLETALOY—Material for resistance welding electrodes. Cleveland Tungsten, Inc., Cleveland, Ohio.
CLE-TUNG—Tungsten electrode, atomic hydrogen and inert arc electrodes. Cleveland Tungsten, Inc., Cleveland, Ohio.
CLEVELAND CRANES—Overhead traveling cranes. Cleveland Crane and Engineering Co., Wickliffe, Ohio.
CLEVELAND TRAMRAIL—Overhead materials handling equipment. The Cleveland Crane and Engineering Co., Wickliffe, Ohio.
CLEVE-TUNG—Welding products. Cleveland Tungsten, Inc., Cleveland, Ohio.
CLIMAX—Forged welding compound. Cortland Welding Compound Co., Cortland, N. Y.
CLINTON—Wire cloth. Wickwire Spencer Steel Div., The Colorado Fuel & Iron Corp., New York, N. Y.
CLIZBE—Electric bench and floor grinders—and saw mandrels. Clizbe Bros. Mfg. Co., Plymouth, Ind.
CLIZBE ECONOMY—Bench grinder. Clizbe Bros. Mfg. Co., Plymouth, Ind.
CLIZBE SUPER—Bench grinder. Clizbe Bros. Mfg. Co., Plymouth, Ind.
CLOVER—Abrasive papers and cloths, grinding, lapping compounds, crocus cloth. Clover Manufacturing Co., Norwalk, Conn.
CLOVER—Crayons for marking of metals. Whittaker, Clark & Daniels, Inc., New York, N. Y.
C-O TWO—Fire extinguisher equipment. C-O Two Fire Equipment Co., Newark, N. J.
COAST METALS—Arc and gas weld rods and wear resistant castings. Coast Metals, Inc., Canton, Ohio.
COAST METALS No. 1 (ACETYLENE) AND No. 101 (ARC)—Hard-facing rods. Coast Metals, Inc., Canton, Ohio.
COAST METALS No. 4 (ACETYLENE) AND No. 104 (ARC)—Hard facing rods. Coast Metals, Inc., Canton, Ohio.
COAST METALS No. 8 (ACETYLENE) AND No. 108 (ARC)—Hard-facing rods. Coast Metals, Inc., Canton, Ohio.
COAST METALS No. 10 (ACETYLENE) AND No. 110 (ARC)—Hard-facing rods. Coast Metals Inc., Canton, Ohio.
COAST METALS No. 18 (ACETYLENE) AND No. 118 (ARC)—Hard-facing rods. Coast Metals, Inc., Canton, Ohio.
COAST METALS No. 112—Hard facing rods. Coast Metals, Inc., Canton, Ohio.
COAST METALS No. X (ACETYLENE) AND No. 100-X (ARC)—Hard facing rods. Coast Metals, Inc., Canton, Ohio.
COAST TWO-WAY—Chipping and scaling air hammers. Coast Pneumatic Tool Co., Los Angeles, Calif.
COBALTCHROM—Electrodes. Darwin & Milner, Inc., Cleveland, Ohio.
COFEN—Burn solution for welding burns. Lee Wood, Inc., South Norwalk, Conn.
COFFING DIFFERENTIAL—Hoists. Coffing Hoist Co., Danville, Ill.
COFFING SPUR-GEARED—Hoists. Coffing Hoist Co., Danville, Ill.
COLALLOY—Flux coated and uncoated welding rods. Colonial Alloys Co., Philadelphia, Pa.
COLAWELD—Flux paste, reaction solder rod. Colonial Alloys Co., Philadelphia, Pa.
COLDARC—Electrodes. Eutectic Welding Alloys Co., New York, N. Y.
COLD ARC IONIZER—Booster for A-C and D-C welders. A-C Devices & Products, Chicago, Ill.
COLDWELL—Low temperature welding alloy. Eutectic Welding Alloys, Inc., New York, N. Y.
COLLMER—Grinding wheeldressers. Collmer Bros., South Bend, Ind.
COLLYER—Welding cables. Collyer Insulated Wire Co., Inc., Pawtucket, R. I.
COLMONOY—Welding rods and electrodes. Wall Colmonoy Corp., Detroit, Mich.
COLMONOY No. 1—Hard facing electrode. Wall Colmonoy Corp., Detroit, Mich.
COLMONOY No. 4, 5, 6—Hard facing alloy rod and powder. Wall Colmonoy Corp., Detroit, Mich.
COLMONOY SPRAY WELDER—Power metallizing gun. Wall Colmonoy Corp., Detroit, Mich.
COLMONOY SWEAT-ON PASTE—Abrasion resistant paste. Wall Colmonoy Corp., Detroit, Mich.
COLMONOY WCR-100—Oxy-acetylene hard facing rod. Wall Colmonoy Corp., Detroit, Mich.
COLONIAL—Semi-finished forms, sheets, rods, tubes, wire. Colonial Alloys Co., Philadelphia, Pa.
COLONIAL—Leather welders' wearing apparel. Colonial Tanning Co., Milwaukee, Wis.
COLONIAL—Compressed gases. New England Gas Products, Inc., Charlestown, Mass.
COLOR-STRIPE—Coated abrasive papers and cloths. Clover Manufacturing Co., Norwalk, Conn.
COLUMBIA—Tong test ammeter (AC & DC). Columbia Electric Mfg. Co., Cleveland, O.
COLUMBIAN—Vises. Columbian Vise Mfg. Co., Cleveland, Ohio.
COMBI—Electric drills. Wodack Electric Tool Corp., Chicago, Ill.
COMET—Electric hoist. Chisholm-Moore Hoist Corp., Tonowanda, N. Y.
COMET—Coated abrasives. Clover Manufacturing Co., Norwalk, Conn.
COMFO—Respirator. Mine Safety Appliances Co., Pittsburgh, Pa.
COMMANDO—Jigs, positioners, tip cleaners, soldering tips, aluminum brazing rod and solder, white metal rod, flints and torch lighters, soapstone holders and hand cleaner. J. M. Ragle, Inc., Kansas City, Mo.
COMMERCIAL—Dissolved acetylene. Commercial Acetylene Supply Co., Inc., New York, N. Y.
COMMERCIAL—Acetylene, argon, helium, oxygen and hydrogen. Commercial Gas Corp., Wilkes-Barre, Pa.
COMMERCIAL—A-C arc welders. Electric Arc, Inc., Newark, N. J.
COMMERCIAL BUTANE—Auxiliary fuel. Hope Natural Gas Co., Clarksburg, W. Va.
COMPRESS—Polishing wheels. Divine Brothers Co., Utica, N. Y.
CONDENS-O-WELD—Resistance welding control. Westinghouse Electric Corp., E. Pittsburgh, Pa.
CONDOR—Oxy-Acetylene welding hose. Manhattan Rubber Mfg. Co. Div., Raybestos-Manhattan, Inc., Passaic, N. J.
CONNECTICUT—Fans, exhaust, jigs, fixtures and piping, blow, exhaust. Connecticut Blower Co., Hartford, Conn.
CONTINENTAL—Welding rods and electrodes. Continental Steel & Supply Co., San Francisco, Calif.
CONTINENTAL—Industrial furnaces. Continental Industrial Engineers, Inc., Chicago, Ill.
CONTINENTAL—Electrode holder. Welding Engineering Corp., Milwaukee, Wis.
CONTINENTAL RED SEAL—Gasoline engines. Continental Motors Corporation, Muskegon, Mich.
COOL BAND—Sweat bands. Mine Safety Appliance Co., Pittsburgh, Pa.
COOL-CUT—Grinding wheels. Robertson Mfg. Co., Morrisville, Pa.
COPOX—Flux. Canadian Liquid Air Co., Ltd., Montreal, Canada.
COPPER-ARC—Electrodes for cast iron. American Arc Welders, Inc., Roseau, Minn.
COPPERED 5G—Welding rods. Central Steel and Wire Co., Chicago, Ill.
COPPERED 6G—Welding wire. Central Steel and Wire Co., Chicago, Ill.
COPPUS—Ventilating blowers, welding exhausters and exhaust fans. Coppus Engineering Corp., Worcester, Mass.
COPPUS VANO VENTILATOR—Ventilator. Coppus Engineering Corp., Worcester, Mass.
COPRCOAT—Steel wire for welding work. Allied Weld-Craft, Inc., Indianapolis, Ind.
CORODEX COIL CLEAN—Coil cleaner, lime scale remover from coils, tanks, steam tables, fountain coils, spray heads, compressor jackets, unit coolers, etc. Allied Products Co., Chicago, Ill.
CORODEX RUST REMOVER—Rust remover. Allied Products Co., Chicago, Ill.
CORRIB—Resistor. Ohmite Mfg. Co., Chicago, Ill.
CORROSION-PROOFED—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co., Harrisburg, Pa.
COR-TEN(USS)—Chromium, copper, silicon. United States Steel Subsidiaries, Pittsburgh, Pa.
CORTLAND—Grinding wheels. Cortland Grinding Wheels Corp., Chester, Mass.
CORVIC BRONZE—Copper alloy. Chase Brass & Copper Co., Inc., Waterbury, Conn.
COUSE MOBILE REPAIR SHOP—Portable combination welding and machine shop. Couse Mfg., Inc., Newark, N. J.
COUSE WELDING CRUISER—Portable combination welding and machine shop. Couse Mfg., Inc., Newark, N. J.
COVERGLAS—Goggles. American Optical Co., Southbridge, Mass.
COVERSPECS—Goggles for welders who wear spectacles. Air Reduction Sales Co., New York, N. Y.
COWLES CLEANERS—Alkaline metal cleaners. Cowles Detergent Co., Cleveland, Ohio.
COYNE—Acetylene cylinders. Coyne Mfg. Co., San Francisco, Calif.
CRACKERJACK—Grinding wheel dressers. The Desmond-Stephen Mfg. Co., Urbana, Ohio.
CRAFTSWELD—Oxy-acetylene welding and cutting equipment and underwater accessories. Craftsweld Equipment Corp., Long Island City, N. Y.
CRAMER—Timers. R. W. Cramer Co., Inc., Centerbrook, Conn.
CRANE—Valves, pipe fitting specialties, welded pipe joints, fittings, etc. Crane Co., Chicago, Ill.
CRANELAP—Welding nipple and flange. Crane Co., Chicago, Ill.
CRATER-FILLER—Foot-operated auxiliary control. General Electric Co., Schenectady, N. Y.
CRAFTEX—Abrasives, rubber. Craftex Manufacturing Co., San Francisco, Calif.
CRESCENT—Welding compound. Anti-Borax Compound Co., Fort Wayne, Ind.
CRESCENT—Non-preformed wire rope. American Cable Div. of American Chain & Cable Co., Inc., Wilkes Barre, Pa.
CRESCENT—Wrenches, pliers, hacksaws, tinsnips, screwdrivers, punches, chisels. Crescent Tool Co., Jamestown, N. Y.
CRESTOLOY—Wrenches, pliers. Crescent Tool Co., Jamestown, N. Y.
CRISTORCH—Welding and cutting torch. The Hamilton Tool Co., Hamilton, Ohio.
CROLOX—Alloy steel. The Babcock & Wilcox Tube Co., Beaver Falls, Pa.
CROLOY—High carbon, high chrome, tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
CROMALOY—Welding flux. The Linde Air Products Co., Unit of Union Carbide and Carbon Corp., New York, N. Y.
CROMANSIL—Alloy steel. Lukens Steel Co., Coatesville, Pa.
CROMANSIL ELECTRODE—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
CROMOCO—Die steel. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
CROMOVAN—Steel. Firth Sterling Steel and Carbide Corp., McKeesport, Pa.
CROWN—Pipe-cutters wheels, etc., Collmer Bros., South Bend, Ind.
CRUCIBLE ARC—Tool and die electrodes. C. E. Phillips & Co., Detroit, Mich.
CRUCIBLE ARC NO. 600—Cast iron welding electrodes. C. E. Phillips & Co., Detroit, Mich.
CRYSTOLON—Abrasives. Armour & Co., Coated Abrasives Div., Chicago, Ill.
CRYSTOLON—Grinding wheels of silicon carbide. Norton Co., Worcester, Mass.
CUB—Pneumatic scaling tool. The Dallett Co., Philadelphia, Pa.
CUB ROD SAVER—Electrode holders. Martin Wells, Inc., Los Angeles, Calif.
CUMALONG—Hoists. The Harrington Co., Philadelphia, Pa.
CUNO—Airline filters. J. H. Fauver Co., Inc., Detroit, Mich.
CUPALOY—An alloy for tips and wheels for electric resistance welding machines. Westinghouse Electric Corp., East Pittsburgh, Pa.
CURLED CHIP—Metal cutting saws. E. C. Atkins & Co., Indianapolis, Ind.
CUT-A-LINE—Flame cutting machine. Indiana Oxygen Co., Indianapolis, Ind.
CUT-O-MATIC—Portable flame cutting machine. Industrial Oxygen Co., Louisville, Ky.
CUTAMATIC—Abrasive cutting machines. Campbell Machine Div. of American Chain & Cable Co., Inc., Bridgeport, Conn.
CUTLER HAMMER—Magnetic contactors, welding timers, switches and related electrical apparatus. Cutler-Hammer, Inc., Milwaukee, Wis.
CUTMASTER—Cutting torches. Modern Engineering Co., Inc., St. Louis, Mo.
CUTNO—Packing. Greene, Tweed & Co., North Wales, Pa.
CUTTEND—Arc-oxygen type electrode. Arcos Corp., Philadelphia, Pa.
CUTTRODE—Cutting electrode. Eutectic Welding Alloys Corp., New York, N. Y.
CYCLOSOLVENE—Metal degreasing solvent. Colonial Alloys Co., Philadelphia, Pa.
CYCLE-PROGRESS—Interval timers. Automatic Temperature Control Co., Inc., Philadelphia, Pa.
CYCLONE—Automatic arcing device. Ergolyte Mfg. Co., Philadelphia, Pa.
CYCLONE—Spur geared hoist. Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
CYCLONE—Mounted points. Robertson Mfg. Co., Morrisville, Pa.

D

DB—Welding and cutting torches, regulators, supplies and accessories, acetylene generators, specially designed machines for automatic welding and cutting, etc. Air Reduction Sales Co., New York, N. Y.
D-9-VA—Vanadium tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
D-29 SILICO—Manganese chisel steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
DH-2—A-C—D.C. electrode for x-ray quality welds. Harnischfeger Corp., Milwaukee, Wis.
D&M—Arc welding electrodes. Darwin & Milner, Inc., Cleveland, Ohio.
D NICKEL—Form of nickel. The International Nickel Co., Inc., New York, N. Y.
DV—Automatic start-stop control and arc time totalizer. DV Welding Controls, Oakland, Cal.
DX ALLOY—Pneumatic and hand chisels. The Dallett Co., Philadelphia, Pa.
DALBO—Air hose couplings and fittings, air valves. The Dallett Co., Philadelphia, Pa.
DALHART—Spot welding guns, air hydraulic booster, multiple-spot, hydro-automatic welding unit. Dalhart Eng. & Mfg. Co., Van Dyke, Mich.

DALITE—Spatterproof cover glass. L. H. Bullock Co., Richmond, Cal.
DALLETT HOSEDRILL—Pneumatic rotating drill. The Dallett Co., Philadelphia, Pa.
DALWELD—Detachable cable connections for welding cable. The Dallett Company, Philadelphia, Pa.
DANDUX—Canvas fire-resistant aprons, curtains, pants and leggings. C. R. Daniels, Inc., New York, N. Y.
DARLING—Valves. Darling Valve & Mfg. Co., Williamsport, Pa.
DARWIN—Alloy welding electrodes and rods. Darwin & Milner, Inc., Cleveland, Ohio.
DAYTON—Grinding wheels. Simonds Worden White Co., Dayton, Ohio.
DAYTON SAFETY—Grinding wheels. Simonds Worden White Co., Dayton, Ohio.
DEFENSE—Shutoff valve. Security Valve Co., Los Angeles, Calif.
DEHYDRATOR—H_2O vapor removal from air and gas lines. Selas Corp. of America, Philadelphia, Pa.
DELLOY—Hard-facing material. Delloy Metals, Philadelphia, Pa.
DEN-NEX—Skin cream. Dennis Chemical Co., Inc., St. Louis, Mo.
DELTA—Files. Delta File Works, Inc., Philadelphia, Pa.
DELTA—Grinders, welders, machine tools, etc. Delta Power Tool Div. of Rockwell Mfg. Co., Milwaukee, Wis.
DELTA-MILWAUKEE—Grinders; welders; machine tools, etc. Delta Power Tool. Div., of Rockwell Mfg. Co., Milwaukee, Wis.
DEMON—Refractory cement. Pilbrico Jointless Firebrick Co., Chicago, Ill.
DENS-O-MATIC—Automatic welding wire. Allied Weld-Craft, Inc., Indianapolis, Ind.
DENVER—Universal flame hardener. Stearns Roger Mfg. Co., Denver 2, Colo.
DEPENDON—Acetate window shades. Sellstrom Mfg. Co., Chicago, Ill.
DE-SCALER—Rust and scale remover. Turco Products, Inc., Los Angeles, Cal.
DESMOND—Grinding wheel dressers. The Desmond-Stephan Mfg. Co., Urbana, Ohio.
DESMOND SIMPLEX—Vises. Desmond-Stephan Mfg. Co., Urbana, Ohio.
DE-STA-CO—Toggle clamps; shim stock, steel and brass; feeler gauge, steels, welding fixture clamps. Detroit Stamping Co., Detroit, Mich.
DESPATCH—Heat treating ovens. Despatch Oven Co., Minneapolis, Minn.
DETROIT—Hoists and cranes. Detroit Hoist & Machine Co., Detroit, Mich.
DETROIT—Electrode holders and cable connections. Detroit Electrode Holder Mfg. Co., Detroit, Mich.
DE VILBISS—Airline fittings and couplings, air compressors, fans and masks. The De Vilbiss Co., Toledo, Ohio.
DI-ACRO—Benders, brakes, shears, notchers, punches, mul parters, hydra-power benders and vari-o-speed powershear. O'Neil-Irwin Mfg. Co., Lake City, Minn.
DI-BUR—Rotary files. Pratt & Whitney, Div. Niles-Bement-Pond Co., W. Hartford, Conn.
DI-CAST—Welding rod. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.
DIAL-AMP—A-C arc welders. Shober Sales, Inc., Stockton, Cal.
DIAL-LECTRIC—AC and DC welders. Harnischfeger Corp., Milwaukee, Wis.
DIAMALLOY—Hard facing welding electrodes. The Diamalloy Co., Gowanda, N. Y.
DIAMITE—Welding rod. Weatherly Foundry and Mfg. Co., Weatherly, Pa.
DIAMO-CARBO—Grinding wheel dresser. Desmond-Stephan Mfg. Co., Urbana, O.
DIAMOND-GRIP—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co.., Harrisburg, Pa.
DIAMOND M—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
DIAMOND W—Brick fire. Quigley Co., Inc., New York, N. Y.
DIAPENE A—Fire retardant. Quaker Chemical Products Corp., Conshohocken, Pa.
DICO—Felt polishing wheels and bobs. Divine Brothers Co., Utica, N. Y.
DIDYMIUM—Lenses. American Optical Co., Southbridge, Mass.
DIEWELD—Electrode. Steel Sales Corp., Chicago, Ill.
DIEWELD—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
DIFOLD—Buffs. Divine Brothers Co., Utica, N. Y.
DIFFUSION PASTE—Silver brazing paste. Sherman & Co. (American Silver Co.), Flushing, N. Y.
DILLON—Portable tensile testing machines. W. C. Dillon and Co., Chicago, Ill.
DILUTERS—For Pre-mixing gas. Eclipse Fuel Eng. Co., Rockford, Ill.
DIMALOY—Tungsten carbide in tubes. Industrial Overlay Metals, Eaton, Ohio.
DIRECTAIR—Air control valves. Hannifin Corp., Chicago, Ill.
DIRTYWORK—Cast iron brazing and welding flux. L. B. White Co., La Crosse, Wis.
DISC-CENTER—Wire wheel brushes, cup brushes. The Osborn Manufacturing Co., Cleveland, Ohio.
DIVERSEY—Metal cleaners. The Diversey Corp., Metal Industries Dept. Chicago, Ill.
DIVERSEY NO. 1—Deoxidizer for aluminum. Diversey Corp., Metal Industries Dept., Chicago, Ill.
DIVERSEY NO. 3—Flux remover. Diversey Corp., Metal Industries Dept., Chicago, Ill.
DIVERSEY NO. 36—Tank cleaner for aluminum. Diversey Corp., Metal Industries Dept., Chicago, Ill.
DIVERSEY NO. 514—Deoxidizer for aluminum. Diversey Corp., Metal Industries Dept., Chicago, Ill.
DIVERSEY NO. 909—Tank cleaner for steel and brass. Diversey Corp., Metal Industries Dept., Chicago, Ill.
DIVIDOHM—Resistor. Ohmite Mfg. Co., Chicago, Ill.
DIVINE—Abrasive belt grinding and polishing machine, polishing and buffing wheels, machinery and supplies. Divine Bros. Co., Utica, N. Y.
DIVISION NO. 36—Cleaner and deoxidizer. Diversey Corp., Chicago, Ill.
DIVISION No. 514—Cleaner and deoxidizer. Diversey Corp., Chicago, Ill.
DIXON—Graphite rods and plate. Joseph Dixon Crucible Co., Jersey City, N. J.
DO—Electrode holders. Plastal Manufacturing Co., Pasadena, Calif.
DO-ALL—Contour and high speed sawing machines; saw bands, surface grinders, butt welders band filing machines, band files and welding machines. The Do-All Company, Des Plaines, Ill.
DO-ALL—Portable electric tool. Wodack Electric Tool Corp., Chicago, Ill.
DO-ALL ZEPHYR—High speed band saws. Do-All Co., Des Plaines, Ill.
DOC ALLOYS KIT—Welding and brazing alloys and fluxes. All-State Welding Alloys Co., Inc., White Plains, N. Y.
DOCKSON—Welding and cutting torches, regulators, goggles, electrode holders, helmets and hand shields, accessories and supplies. Dockson Corp., Detroit, Mich.
DOMINION—Liquid air oxygen and nitrogen. Dominion Oxygen Company, Ltd., Toronto, Ont., Canada.
DOUBLE CIRCLE TOOLS—Drills and reamers, etc. Chicago-Latrobe Twist Drill Works, Chicago, Ill.
DOWMETAL—Alloys of magnesium, aluminum, manganese and zinc. The Dow Chemical Co., Midland, Mich.
DRAWALLOY—Welding electrodes. Welding Equipment and Supply Co., Detroit, Mich.
DREDNAUT—Chipping and welding goggles. American Optical Co., Southbridge, Mass.
DREDNAUT—Goggles and lenses. Safety Equipment Service Co., Cleveland, Ohio.
DRIOX—Oxygen and nitrogen. The Linde Air Products Company, Carbide and Carbon Bldg., New York, N. Y.
DRIVE FIT—Tips for burners. Eclipse Fuel Co., Rockford, Ill.
DRY BROW—Sweat bands. Safety Clothing & Equip. Co., Cleveland, O.
DRY-CRISP—Rust preventive. Merix Chemical Co., Chicago, Ill.
DUALARC—Electric welding machines. Electric Arc, Inc., Newark, N. J.
DUAL-LOCK—Shutoff valve. Eclipse Fuel Eng. Co., Rockford, Ill.
DUAL-TOOL—Combination weld cleaning tool. Atlas Welding Accessories Co., Detroit, Mich.
DUAL-TRONIC—Combination AC-DC welder. John Kern Co., Chicago, Ill.
DUAL-VISION—Lens holder for 2-color plate. Sellstrom Mfg. Co., Chicago, Ill.
DUAL-WELD—Spot and arc welder. Delta Power Tool Div. of Rockwell Mfg. Co., Milwaukee, Wis.
DUCTO—Welding electrode. Hobart Bros., Troy, Ohio.
DUCTONE—Electrodes. Chicago Steel and Wire Co., Chicago, Ill.
DUDGEON—Hydraulic jacks and pumps. Richard Dudgeon, Inc., New York, N. Y.
DUDGEON UNIVERSAL—Hydraulic jacks and pumps. Richard Dudgeon, Inc., New York, N. Y.
DUFF—Jacks. Duff-Norton Mfg. Co., Pittsburgh, Pa.
DUMORE—Grinders and flexible shaft machines. Dumore Co., The, Racine, Wis.
DUO-FLEX—Flexible shaft machines. Dumore Co., The, Racine, Wis.
DUO-SQUARE—Work holder. McFerron-Myers Products Co., Rocky River, Ohio.
DUO-TROL—Combined heat control and magnetic welding timer. National Time and Signal Corp., Detroit, Mich.
DUOGRAPH—Automatic power driven welding machine. Air Reduction Sales Co., New York, N. Y.
DUOWELD—Filter lenses. Fish-Sherman Corp., New York, N. Y.
DUPLEX—Welding and cutting torches. K-G Welding & Cutting Co., Inc., New York, N. Y.
DUPLEX—Hand grinder. Dumore Co., Racine, Wis.
DUPLEX—Abrasive belt grinders. Walls Sales Corp., New York, N. Y.
DUPLEX-TANDEM—Regulator. Modern Engineering Co., Inc., St. Louis, Mo.
DURA-BILT—Rotary wire wheelbrush. The Milwaukee Brush Mfg. Co., Milwaukee, Wis.
DURACUT—Abrasive discs. Bay State Abrasive Products Co., Westboro, Mass.
DURADIANT—Radiant ceramic gas burners. Selas Corp. of America, Philadelphia, Pa.
DURAGARD—Chipping goggles. American Optical Co., Southbridge, Mass.
DURAGARDE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
DURALATEM—Hard surfacing rods. Permalatem Welding Alloys Co., Neptune, N. J.
DURALITE—Goggles. American Optical Co., Southbridge, Mass.
DURALOY—Chrome-iron, chrome-nickel-steel, and nickel-chrome-steel alloys. Duraloy Co., Scottdale, Pa.
DURAWELD—Welding goggles. The American Optical Co., Southbridge, Mass.
DURFACE—Special rods and electrodes. Eutectic Welding Alloys Co., New York, N. Y.
DURITE—Silicon carbide coated abrasive. Behr-Manning Corp., Troy, N. Y.
DURO—Electrode holders. Duro Engrg. Co., New Haven, Conn.
DURONZE—Silicon bronze. Bridgeport Brass Co., Bridgeport, Conn.
DUSKOLECTORS—Filter type cyclone and dust collectors. Hammond Machinery Builders, Inc., Kalamazoo, Mich.
DUST-BAN—Safety goggles. Bausch & Lomb Optical Co., Rochester, N. Y.
DUSTCOTE—Electrode. Harnischfeger Corp., Milwaukee, Wis.
DUSTFOE—Respirators, hoods and masks. Mine Safety Appliances Co., Pittsburgh, Pa.
DUSTKOP—Dust collectors, blowers and exhausters. Aget-Detroit Co., Ann Arbor, Mich.
DUSTUBE—Dust and fume control equipment. American Wheelabrator & Equipment Corp., Mishawaka, Ind.
DUZWELD—Welding and cutting equipment and supplies. New York Welding Supply Co., New York, N. Y.
DYER—Spot welders. Topeka Foundry & Iron Works Co., Inc., Topeka, Kan.
DYNA-FLASH—Portable electric drills, grinders and sanders. Milwaukee Electric Tool Corp., Milwaukee, Wis.
DYNA-SWITCH—Crane overload switch. W. C. Dillon & Co., Chicago, Ill.
DYNAFLEX—Hose. Mulconroy Co., Philadelphia, Pa.
DYNAMASTER—Pyrometers and strain gauges. Bristol Co., Waterbury, Conn.
DYNAMITE—Hose. Mulconroy Co., Philadelphia, Pa.

E

EC&M—Automatic welding timers. Electric Controller and Mfg. Co., Cleveland, Ohio.
EC&M LINE ARC—Magnetic contactors. Electric Controller and Mfg. Co., Cleveland, Ohio.
EC&M NEOTROL—Weld timers for use on air or hydraulically-operated welding machines. Electric Controller & Mfg. Co., Cleveland, Ohio.
EJ—Leather welding gloves. E. J. Streichert, Chicago, Ill.
EL—Electronic tubes. Electronics, Inc., Newark, N. J.
ELC—Low-carbon stainless steels. Armco Steel Corp., Middletown, O.
E-M—High frequency generators. Electric Machinery Mfg. Co., Minneapolis, Minn.
E-Z—Welding compounds. Anti-Borax Compound Co., Ft. Wayne, Ind.
E-Z CUT—Steel plates. Joseph T. Ryerson & Sons, Inc., Chicago, Ill.
EAGLE HEAVY DUTY—Forge welding compound. Cortland Welding Compound Co., Cortland, N. Y.
EASTMAN NO-SCREEN—X-Ray film. Eastman Kodak Co., Rochester, N. Y.
EASTERN STAYPUT—Hose couplings and fittings. J. N. Fauver Co., Inc., Detroit, Mich.
EASTON—Woven cotton belting. Victor Balata & Textile Belting Co., New York, N. Y.
EASY-FLO—Silver brazing alloy. Handy & Harmon, New York, N. Y.
EASY MOUNT—Grinding wheels. Sterling Grinding Wheel Div., The Cleveland Quarries Co., Tiffin, Ohio.
EASYWELD—Electrode for A-C arc welding. Universal Welding Corp., Cleveland, Ohio.
ECGCO—Coated cover glass for welders' helmets and coated electric light bulbs. Electro Cover Glass Co., Inc., Sharpsburg, Br., Pittsburgh, Pa.
ECONO-SPEED—Blast oven furnace. Eclipse Fuel Eng. Co., Rockford, Ill.
ECONOMIZER—Valve device which shuts off oxygen and acetylene when torch is hung on hooked lever. National Cylinder Gas Co., Chicago, Ill.
ECONOMY—Welding and cutting outfits. Burdett Oxygen Co., Cleveland, Ohio.
ECONOMY—Grinders and buffers. The Hisey Wolfe Machine Co., Cincinnati, Ohio.
ECONOMY—Wirewheel brush. The Osborn Mfg. Co., Cleveland, Ohio.
ECONOMY—Coated abrasives. The Carborundum Co., Niagara Falls, N. Y.
ECONOMY HARDFACE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
EDCO—Copper electrodes. Davies & Son, Inc., Los Angeles, Calif.
EDGEWATER—Firehose. Quaker Rubber Corp., Philadelphia, Pa.
No. 8 NON-CORROSIVE—Flux. Farrelloy Co., Philadelphia, Pa.
18-8 STAINLESS—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
EIMAC—Electric tubes; vacuum pumps and high vacuum switches. Eitel-McCullough, Inc., San Bruno, Calif.
EISLER—Spot welders and A-C arc welders. Eisler Engineering Co., Newark, N. J.
EITHEREND—Cable connectors. Albert & J. M. Anderson Mfg. Co., Boston, Mass.
EJECTOR TYPE—Electrode holders. S-M-S Corp., Detroit, Mich.
ELECTRA—Steel loading chain. The Cleveland Chain Mfg. Co., Cleveland, Ohio.
ELECTRIC—Hose. J. N. Fauver Co., Detroit, Mich.
ELECTRIC LACQUER—Insulating varnish. John C. Dolph Co., Newark, N. J.
ELECTR-O-LINE—Electric proportional control relay. Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
ELECTR-O-PULSE—Electric proportional control relay, (pulse type). Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
ELECTRO—Grinding wheels. Electro Refractories and Alloy Corp., Buffalo, N. Y.
ELECTRO-FLUX-STIK—Soldering flux for aluminum and electric apparatus. Lake Chemical Co., Chicago, Ill.
ELECTROD—Arc welding electrode. Steel Co. of Canada, Ltd., Hamilton, Ont., Canada.
ELECTROLON—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.
ELECTROLOY—Alloys for electrodes and dies for resistance welding machines. Electroloy Co., Inc., Bridgeport, Conn.
ELECTROMET—Ferro-alloys and non-ferrous alloying metals. Electro Metallurgical Sales Corp., New York, N. Y.

ELECTRONIC STEAM—Arc, electronic welder. Casco Products, Inc., Chicago, Ill.

ELECTRONIK—Pyrometers. Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.

ELECTROWELD—Electric welding tube mill. American Electric Fusion Corporation, Chicago, Ill.

ELECTROWELD—Electric spot welding machine. Electric Arc., Inc., Newark, N. J.

ELECTRONIC TORNADO—Carbon arc electric welder. Lincoln Electric Co., Cleveland, Ohio.

ELECTRUNITE ENDORO—Stainless steel tubing and stainless steel pipes. Republic Steel Corp., Steel and Tubes Division, Cleveland, Ohio.

ELECWELD—Electrodes. Steel Sales Corp., Chicago, Ill.

ELEPHANT BRAND—Phosphor bronze casting, bar and sheets, welding rods, wire rope and wire. Phosphor Bronze Corp., Seymour, Conn.

ELESCO—Locomotive superheaters, feed water heaters, and exhaust steam injectors. Superheater Co., New York, N. Y.

ELGIN—A-C arc welders. Borm Mfg. Co., Elgin, Ill.

ELIN—DC arc welder, American ELIN Corp., New York, N. Y.

ELIPTO-LITE PLAY AREA—Floodlights. Benjamin Electric Mfg. Co., Des Plaines, Ill.

ELKALOY—Copper alloy for resistance welding applications. P. R. Mallory & Co., Inc., Indianapolis, Ind.

ELKONITE—High conductivity refractory materials used in resistance welding applications. P. R. Mallory & Co., Inc., Indianapolis, Ind. and SMS Corp., Detroit, Mich.

ELLIOT—Flexible shaft grinders. Elliott Manufacturing Co., Binghamton, N. Y.

ELLPRO—Electrode for arc cutting under water. Ellwood Products Co., Ellwood City, Pa.

ELLSBERG—Under-water cutting torch. Craftsweld Equipment Corp., Long Island City, N. Y.

ELMES—Hydraulic presses, electrode extrusion presses and general purposes presses. Charles F. Elmes Engineering Co., Chicago, Ill.

EMCO—Hard surfacing metals. Eid Metal Co. Ltd., Los Angeles, Cal.

EMERSON—A-C arc welder. Emerson Electric Mfg. Co., St. Louis, Mo.

EMPIRE—Rubber and composition mallets. Greene, Tweed & Co., North Wales, Pa.

ENDURO—Stainless and heat resisting steels. Republic Steel Corp., Republic Bldg., Cleveland, Ohio.

EQUALOAD—Motor, generator and slip ring brushes. Keystone Carbon Co., Inc., St. Marys, Pa.

EQUIPTO—Steel shelving; parts bins; tool cribs; stock carts; work benches; tool stands. etc. Equipto Division of Aurora Equipment Co., Aurora, Ill.

ERGOLYTE—A-C arc welders, arc torch for brazing, welding, preheating, etc. Ergolyte Mfg. Co., Philadelphia, Pa.

ERIFON—Flame retardant. E. I. du Pont de Nemours Co., Inc., Wilmington, Del.

ES—Stainless steel sheets. Eastern Stainless Steel Corp., Baltimore, Md.

ES NO. 100 GRIT FINISH—Stainless steel sheets. Eastern Stainless Steel Corp., Baltimore, Md.

ESICO—Soldering irons and tips. Electric Soldering Iron Co., Inc., Deep River, Conn.

ESSANAY—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.

ESSANAY SODA—ACID RECHARGE—Fire extinguisher recharger. Pyrene Manufacturing Co., Newark, N. J.

ESSEE—Weldors' clothing and leather. S. C. Leather Co., Pittsburgh, Pa.

EUREKA—Electrode holders. The Fibre-Metal Products Co., Chester, Pa.

EUREKA—Welding helmet. Welding Engineering Co., Milwaukee, Wis.

EUREKA—Welding rods; electrodes and fluxes. Welding Equipment and Supply Co., Detroit, Mich.

EUREKA—Soldering fluxes. E. I. du Pont de Nemours & Co., Grasselli Chemicals Dept., Wilmington, Del.

EUTEC-ARC—Arc welding machine. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC-CAST IRON-FILLER—Welding alloys. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC-COPPER-WELD—Welding alloys. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC-DIE CAST-WELD—Welding alloys. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC-HAND-OMATIC—Automatic electrodes. Eutectic Welding Alloys Corp., New York, N. Y.

EUTEC-SILVER-WELD—Welding alloys. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC-STAINTRODES—Alloy rod for stainless steel. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC TORCH—Gas welding torch. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTEC-WALL-PACK—Rods, fluxes, electrodes. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECHROM—Welding rods and fluxes. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECROD—Gas welding rods. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECTIC—Welding rods and fluxes. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECTIC LOW TEMPERATURE WELDING RODS—Welding rods. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECTOFILM—Coating for low temperature welding. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECTOR—Welding rod fluxes. Eutectic Welding Alloys Corp., Flushing, N. Y.

EUTECTRODE—Arc electrodes AC-DC. Eutectic Welding Alloys Corp., Flushing, N. Y.

EVEN TRIM—Spiral wound brushes. Pittsburgh Plate Glass Co., Baltimore, Md.

EVERDUR—Welding rod. American Brass Co., Waterbury, Conn.

EVER-KLEAR—Cover lens. F. R. Faulk, Pittsburgh, Pa.

EVERITE—Rust and scale remover. Diversey Corp., Metal Industries Dept., Chicago, Ill.

EVERSTAY—Alloy for repairing scored cylinders. The Omaha Welding Co., Omaha, Neb.

EVER-STICK—Alloy for repairing scored cylinders. Federated Metals Division, American Smelting and Refining Co., Whiting, Ind.

EXCEL-LITE—Welding lens and plates. Sellstrom Mfg. Co., Chicago, Ill.

EXCITRON—Rectifier. Allis Chalmers Mfg. Co., Milwaukee, Wis.

EXIDE—Batteries. The Electric Storage Battery Co., Philadelphia, Pa.

EXPERT—Welding and cutting equipment. Modern Engineering Co., Inc., St. Louis, Mo.

EXTRA—Water hardening tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.

EXTERNO TANK HEATER—Furnace. Eclipse Fuel Eng. Co., Rockford, Ill.

EXTRA-FLEX—Welding cable. Burdett Oxygen Co., Cleveland, Ohio.

EYE-GARD—Welding goggles, lens. Burdett Oxygen Co., Cleveland, Ohio.

EYEGARD—Goggles, plates and lenses. American Industrial Safety Equipment Co., Cleveland, Ohio.

EYE SAVER—Safety goggle. Watchemoket Optical Co., Inc., Providence, R. I.

EZY-FLEX—Welding cable. National Welding Supply Co., Charlotte, N. C.

F

F-M—Cooling unit for circulating liquid coolant through electrode tips of spot welder. Fairbanks-Morse and Co., Chicago, Ill.

F. S. BEST—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.

F. S. EXTRA—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.

FW—AC-DC electrode. Harnischfeger Corp., Milwaukee, Wis.

FACEWELD—Welding electrode. Lincoln Electric Co., Cleveland, Ohio.

FAIRWAY—Salt tablets and plastic dispensers. Standard Safety Equipment Co., Chicago, Ill.

FALCON—Electric furnaces, portable elec. preheating and stress relieving; heating and control panels. Falcon Equipment Co., New Brighton, Pa.

FAMCO—Arbor presses, foot presses, power presses, foot squaring shears, power squaring shears, drill presses and horizontal metal cut-off saws. Famco Machine Co., Racine, Wis.

FANSTEEL—Tungsten electrodes and tempered soldering tips. Fansteel Metallurgical Corp., North Chicago, Ill.

FANWELD—Hard facing metal. Fansteel Metallurgical Corp., North Chicago, Ill.

FANWELD—Hard facing welding rod. Vascoloy-Ramet Corp., Waukegan, Ill.

FARBER—Fire brick. North American Refractories Co., Cleveland, Ohio.

FARCO—Soldering salts. Farrelloy Co., Philadelphia, Pa.

FARCO ALUMINUM WELDING FLUX—Flux. Farrelloy Co., Philadelphia, Pa.

FARCO BRICK—Flux. Farrelloy Co., Philadelphia, Pa.

FARCO MAGNESIUM FLUX—Flux. Farrelloy Co., Philadelphia, Pa.

FARCO STAINLESS STEEL WELDING FLUX—Flux. Farrelloy Co., Philadelphia, Pa.

FARCO TINNING COMPOUND—Powder solder. Farrelloy Co., Philadelphia, Pa.

FARGAIL—Cream. Farrelloy Co., Philadelphia, Pa.

FARLENE-OILMETER—Flux. Farrelloy Co., Philadelphia, Pa.

FARM-WISE—110 v. arc welder. Calif-teria Sales, Inc., Ft. Wayne, Ind.

FARMFACE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.

FARRELLOY—Solder. Farrelloy Co., Philadelphia, Pa.

FARSOL—Soldering paste. Farrelloy Co., Philadelphia, Pa.

FAST-FLO FLUX—Silver brazing flux. American Chemical and Flux Co., Brooklyn, N. Y.

FASTFOME—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.

FASTFOME FOAM RECHARGER—Fire extinguisher recharger. Pyrene Manufacturing Co., Newark, N. J.

FASTWELL—High speed electrode. Steel Sales Corp., Chicago, Ill.

FAULTLESS—Oxy-acetylene hose. The Home Rubber Co., Trenton, N. J.

FAVORITE—Ratchet wrenches. Greene, Tweed & Co., North Wales, Pa.

FAXFILM—Inspection magnifers. Brush Development Co., Cleveland, O.

FEATHERLIGHT—Arc welding electrode holders and cable connectors. Jackson Products, Warren, Mich.

FEDERAL NOARK—Controls, magnetic contactors, general purpose relays and switches. Federal Electric Products Co., Newark, N. J.

FERREX—Metals cleaner. Turco Products, Inc., Los Angeles, Calif.

FERRO—Cast iron welding flux. The Linde Air Products Co., New York, N. Y.

FEATHERWEIGHT—Face shields. Dockson Corp., Detroit, Mich.

FEDERAL—Electric spot welding machinery, projection welders, seam welders, portable welders, flash welders, heaters and electric transformers. Federal Machine and Welder Co., Warren, Ohio.

FEND—Protective skin creams. Mine Safety Appliance Co., Pittsburgh, Pa.

FERROCOTE—Rust preventives. Quaker Chemical Products Corp., Conshohocken, Pa.

FERRO BOND—Stainless clad steel. Worth Steel Co., Claymont, Del.

FERROFIT—Nozzles for burners. Eclipse Fuel Engineering Co., Rockford, Ill.

FERROWELD—Welding electrode. Lincoln Electric Co., Cleveland, Ohio.

FERULOK—Tube fittings. The Parker Appliance Co., Cleveland, Ohio.

FEATHERWATE — STREAMLINER — Weldors' helmet. Sellstrom Mfg. Co., Chicago, Ill.

FI-MET—Coated cover glass. Fibre-Metal Products Co., The, Chester, Pa.

FIBREX—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.

FILLEX—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.

FILTERWELD—Glass for welding helmet and goggles. American Optical Co., Southbridge, Mass.

FIRECRETE—Refractories. Johns-Manville, New York, N. Y.

FIREFAX—Refractory cement. The Carborundum Co., Niagara Falls, N. Y.

FIRE-GUN—Torches. Hauck Mfg. Co., Brooklyn, N. Y.

FIREFOIL—Panel. The Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio.

FIREYE—Flame-failure safeguards, for oil and gas burners. Combustion Control Corp., Cambridge, Mass.

FIRTHALOY—Sintered carbide adapted to wire drawing dies, extrusion dies and similar purposes. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.

FIRTHITE—Form of sintered tungsten carbide for cutting tools, gauges, etc. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.

FLAMEBLAST—Gas-electric blowtorch. Made by North American Mfg. Co., Cleveland, Ohio.

FLAMECRAFT—Oxy-acetylene welding and cutting outfit. Air Reduction Sales Co., New York, N. Y.

FLAMEMASTER—Shape cutting machine. Indiana Oxygen Co., Indianapolis, Ind.

FLAME-PRUF—Water soluble powder for treating clothes or other fabrics which prevents them from igniting when exposed to sparks. Wolfe-Kotz Co., Sheboygan, Wis.

FLAME-RITE—Soldering outfits. National Welders Supply Co., Charlotte, N. C.

FLAME SHAPER—Portable flame cutting machines. Shrader-Bowers Co., Mishawaka, Ind.

FLASH—Circle burner. Scientific Research Co., Portland, Ore.

FLASH-EX—Welding spatter compound. Wayne Chemical Products Co., Detroit, Mich.

FLASH OFF NO. 99—Welding spatter compound. Acme White Lead & Color Wks., Detroit, Mich.

FLATWEAVE—Wire rope sling. John A. Roebling's Sons Co., Trenton, N. J.

FLEET-ARC—A-C welders. Lincoln Electric Co., Cleveland, Ohio.

FLEETWELD—Shielded arc electrodes by Lincoln Electric Co., Cleveland, Ohio.

FLEETWELDER—AC welders. The Lincoln Electric Co., Cleveland, Ohio.

FLEXALOY—Alloy hard-facing electrodes. The Borgstrom Alloys Corp., Reno, Nev.

FLEXALOY—Hard facing electrodes. Industrial Overlay Metals, Eaton, Ohio.

FLEXARC—Arc welding machines and electrodes. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXARC ACP—Arc welding electrodes. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXARC AP—Electrode. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXARC DH—Electrode. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXARC EP — Flux-coated electrode. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXARC SW—Electrodes. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXARC SW-2—Arc welding electrodes. Westinghouse Electric Corp., East Pittsburgh, Pa.

FLEXAUST — Ventilating hose. American Ventilating Hose Co., New York, N. Y.

FLEXCELO—Fire hose. Republic Rubber Div., Lee Rubber and Tire Corp., Youngstown, Ohio.

FLEXIBLE ABRASIVE—Rubber abrasive. Ideal Industries, Inc., Sycamore, Ill.

FLEXI-BILT—Steel Bins. Berger Mfg. Div. of Republic Steel Corp., Canton, O.

FLEX-COVER—Flat plastic plates and lenses. Sellstrom Mfg. Co., Chicago, Ill.

FLEX-SET—Wire rope. Broderick & Bascom Rope Co., St. Louis, Mo.

FLEXSPEED—Buffing and polishing lathe. Divine Brothers Co., Utica, N. Y.

FLINT—Gas spark lighters and renewal flints. Flint Products Co., Brooklyn, N. Y.

FLINTYPE—Hard-facing electrode. Arcway Equipment Co., Philadelphia, Pa.

FLINTYPE VH—Hard-facing alloy. Reisto-Loy Co., Grand Rapids, Mich.

FLINTWELD—Hard surfacing rod. Steel Sales Corp., Chicago, Ill.

FLO-EZ-FLUX—Gas welding aluminum fluxes. Park-Stewart, Worthington, Pa.

FLO-EZ-FLUX NO. 5—Gas welding magnesium fluxes. Park-Stewart, Worthington, Pa.

FLO-SCOPE—Flow rate indicator for air and gas lines. Selas Corp. of America, Philadelphia, Pa.

FLOOD—Helmets. Borm Mfg. Co., Elgin, Ill.

FLOTECTIC—Flux. Eutectic Welding Alloys Co., New York, N. Y.

FLOTITE NO. 2—Cast iron, chrome, steel elec. weld flux. Pittsburgh Metals Purifying Co., Pittsburgh, Pa.
FLOTITE NO. 3—Brass brazing flux. Pittsburgh Metals Purifying Co., Pittsburgh, Pa.
FLO-WELL NO. 1—Flux for gas welding. A. K. Mauk, Pittsburgh, Pa.
FLO-WEL No. 2—Brazing flux. A. K. Mauk, Pittsburgh, Pa.
FLUTED ELECTRODES—Resistance welding electrodes. P. R. Mallory & Co., Inc., Indianapolis, Ind.
FLUX-FEEDER—Flux dispenser. Air Reduction Sales Co., New York, N. Y.
FLUX INJECTION—Power cutting. Air Reduction Sales Co., New York, N. Y.
FLUX-RITE—Welding fluxes. National Welding Supply Co., Charlotte, N. C.
FLUXRITE—Fluxed wire solder. National Lead Co., New York, N. Y.
FLUX-STIK—Soldering flux in stick form. Lake Chemical Co., Chicago, Ill.
FLUX-WELL—Welding and brazing fluxes and compounds. Chicago Hardware Foundry Co., North Chicago, Ill.
FLUXINE—Fluxes for brazing, welding, silver and soft soldering. Krembs & Co., Chicago, Ill.
FOAMITE—Fire extinguishers and air foam. American La France-Foamite Corp., Elmira, N. Y.
FOAMITE CRUSADER — Fire extinguishers. American La France-Foamite Corp., Elmira, N. Y.
FOG-BAN—Anti-fog compounds. Bausch & Lomb Optical Co., Rochester, N. Y.
FOILLE—Burn spray and first aid kit. Mine Safety Appliances Co., Pittsburgh, Pa.
FOLEY—Drill presses, band and circular saws, jigsaws, wood lathes, saw grinders, etc. Foley Mfg. Co., Minneapolis, Minn.
FORD—Chain hoist. Ford Chain Block Division of American Chain & Cable Co., Inc., York, Pa.
FORMINCO—Products used for welding rod and electrode coatings and fluxes. Made by the Foote Mineral Co., Philadelphia, Pa.
FORMULA 953—Metal cleaner. Kelite Products, Inc., Los Angeles, Calif.
FORNEY—A-C and D-C arc welders. Forney Mfg. Co., Fort Collins, Colorado.
"41" NICKEL—For welding of pure nickel. International Nickel Co., Inc., New York, N. Y.
"43" MONEL—For welding heavy sections of Monel for acid pickling service. International Nickel Co., Inc., New York, N. Y.
"51" NICKEL—For welding of pure nickel. International Nickel Co., Inc., New York, N. Y.
"52" INCONEL—Electrode for welding Inconel. International Nickel Co., Inc., New York, N. Y.
"400"—Power hack blades. E. C. Atkins Co., Indianapolis, Ind.
FRANK—Leggings and spats. Safety Clothing & Equip. Co., Cleveland, O.
FRANKLIN—A-C welder. Franklin Transformer Manufacturing Co., Minneapolis, Minn.
FREE-FLO—Cast iron welding rods. Atlas Foundry Co., Cleveland, Ohio.
FREE FLOW—Brazing flux. General Welding & Equipment Co., Boston, Mass.
FREEMACHINE WELD—Cast iron welding electrodes. Westinghouse Electric Corp., E. Pittsburgh, Pa.
FRE-FLO ALLOY NO. 7—Cast iron rods for high pressure welding. Atlas Foundry Co., Cleveland, Ohio.
FRE-FLO MOLY-NICKEL—Cast iron alloy welding rods. Atlas Foundry Co., Cleveland, Ohio.
FRIGID-ARC—Welding rods. Eutectic Welding Alloys Corp., New York, N. Y.
FRIGID WELD ROD—Welding rods. Eutectic Welding Alloys Corp., New York, N. Y.
FROGALLOY—Stainless electrodes. McKay Co., Pittsburgh, Pa.
FRONTENAC—A-C arc welders. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.
FROSTRODE—Electrode cooling units. Progressive Welder Sales Co., Detroit, Mich.
FULLBACK WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.
FUL-VUE—Goggles. American Optical Company, Southbridge, Mass.
FUMELESS WELDING ROD NO. 240—Fumeless bronze welding rod. Mueller Brass Co., Port Huron, Mich.
FURNAS-CRETE—Castable refractory. Mexico Refractories Co., Mexico, Mo.
FUSEBOND—Electrode for surface preparation. Metallizing Engineering Co., Inc., Long Island City, N. Y.
FUSE-WELL—Cast iron rods and electrodes, cast aluminum rods. Chicago Hardware Foundry Co., North Chicago, Ill.
FUSERITE—Welding and cutting torches, cutting machines and specialties. Harris Sales Co., Lansdowne, Pa.
FUSIONETTE—Spot and stud welders. Primeweld Corp., Detroit, Mich.
FUSION SOLDER—Solder. Fusion Engineering Co., Cleveland, Ohio.
FUZEE—Metals and parts cleaner. Turco Products, Inc., Los Angeles, Cal.
FUZON—Alloy welding electrodes. Chicago Steel and Wire Co., Chicago, Ill.
FYETE MOTAR—Cement, high temperature. Quigley Co., Inc., New York, N. Y.

G

G ELECTROLON—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.
G-STRIPPER—Metal cleaner. Kelite Products, Inc., Los Angeles, Calif.
G-E—Electric arc-welding machines, X-ray machines, electrodes, and accessories. General Electric Co., Schenectady, N. Y.
G.M.C.—Resistance type welder. Guyan Machinery Co., Logan, W. Va.
G.M.C.—Welding torches. The Harris Calorific Co., Cleveland, Ohio.
G-R—Arc welders of the transformer type. Glenn-Roberts Co., Indianapolis, Ind.
GS—Safety clothing and equipment. General Scientific Equipment Co., Philadelphia, Pa.
GALV-KOTE—Galvanizing compounds. George H. Ohmer, Dayton, Ohio.
GALV-WELD—Galvanizing compound and aluminum, magnesium solder. Galv-Weld, Inc., Dayton, Ohio.
GALVALLOY—Galvanizing compound. Metalloy Products Co., Los Angeles, Cal.
GARALUN—Abrasives. Armour & Co., Coated Abrasives Div., Chicago, Ill.
GAR-BRO—Cylinder truck. Gar-Bro. Mfg. Co., Los Angeles, Calif.
GARDSMAN—Leather safety clothing and supplies. Racine Glove Co., Racine, Wis.
GARDWELL—Safety clothing and equipment. Safety Clothing & Equipment Co., Cleveland, Ohio.
GARIBAY—Mechanical welding cable connector. Yarco Distributors, Los Angeles, Cal.
GARIBAY STINGER—Arc welding electrode holder. Garibay Mfg. Co., Montebello, Cal.
GARIBAY 350—Electrode holder. Garibay Mfg. Co., Montebello, Cal.
GAS CARBOX—Bright copper finish welding rod. Central Steel and Wire Co., Chicago, Ill.
GAS FLUX—Liquid brazing flux. Gas Flux Mfg. Co., Mansfield, Ohio.
GAS-FLUXER—Unit for dispensing liquid flux into the acetylene line of a gas welding outfit. Gas Flux Co., Mansfield, Ohio.
GAS-FUME—Respirators. Mine Safety Appliances Co., Pittsburgh, Pa.
GASAVER—Gas economizer. The Harris Calorific Co., Cleveland, Ohio.
GASAVER—Valve device which turns off oxygen and acetylene when torch is hung on hook lever. Weldit Acetylene Co., Detroit, Mich.
GASO KUT-MOR—Flame cutting machine. Gaso Equipment Co., Chicago, Ill.
GAS-O-DOME—Regulator. Victor Equipment Co., San Francisco, Cal.
GAS-O-GEN—Acetylene generator. Eutectic Welding Alloys Corp., New York, N. Y.
GASTON—Portable gun welder. Karma Mfg. Co., Harvey, Ill.
GASTON BULL-DOG—Portable electric tools. Alcasco Fdry. & Mfg. Co., Inc., Harvey, Ill.
GASWELD—Welding and cutting torches, regulators and accessories. Wall Chemicals Div., The Liquid Carbonic Corp., Chicago, Ill.
GASWELD—Gas regulators, soldering outfits, flame cutting, soldering and gas welding tips, brazing, preheating, welding and flame cutting torches, welding and cutting apparatus and flame hardening equipment. Liquid Carbonic Corp., Industrial Gas Div.
GELLID—Welding Equipment, cylinders and trucks. Gellid Engineering Corp., Oak Park, Ill.
GEM—Electrode holder for arc welding. Gem Electrode Holder Co., New York, N. Y.
GENERAL—Toggle clamps; welding positioner. The General Welding Co., Cleveland, Ohio.
GENERAL PURPOSE—Plugs and receptacles. Pyle-National Co., Chicago, Ill.
GENEX—Arc welding electrode. Metal & Thermit Co., New York, N. Y.
GENUINE STILLSON—Pipe wrench. Walworth Co., New York, N. Y.
GES—Electric hand shears. Jefferson Engineering & Mfg. Co., Detroit, Mich.
GES-9—Electric hand shears, 14 gauge. Jefferson Eng. & Mfg. Co., Detroit, Mich.
GES-12—Electric hand shears, 12 gauge. Jefferson Eng. & Mfg. Co., Detroit, Mich.
GEWECO—Welding and cutting apparatus and automatic shape cutting machines. General Welding and Equipment Co., Boston, Mass.
GLAREGARD—Lenses. Dockson Corp., Detroit, Mich.
GLASCOTE—Transparent liquid coating. John C. Dolph Co., Newark, N. J.
GLAZE-ITE—Cover glass. Willson Products, Inc., Reading, Pa.
GLOBAR—Silicon carbide resistance & heating elements, electrode. The Carborundum Co., Niagara Falls, N. Y.
GLOBE DRILL—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
GLOBEIRON TUBES—Ingot iron tubes. Globe Steel Tubes Co., Milwaukee, Wis.
GLOWELD—Welded stainless steel tubes. Globe Steel Tubes Co., Milwaukee, Wis.
GLYCO BABBITT—Babbitt metals. Jos. T. Ryerson & Son, Inc., Chicago, Ill.
GLYPTAL—Synthetic resin. General Electric Co., Schenectady, N. Y.
GOODRICH, B. F.—Welding hose. B. F. Goodrich Co., Akron, Ohio.
GOODYEAR—Welding hose. Goodyear Tire & Rubber Co., Akron, O.
GORHAM HIGH SPEED WELDING METAL—Tool steel welding rod. Gorham Tool Company, Detroit, Mich.
GOSS—Adaptors, electrode holders, couplings and fittings, manifolds and oxygen, tips welding gas, etc. Goss Gas, Inc., Pittsburgh, Pa.
GRADIATION—Heating equipment. Selas Corp. of America, Philadelphia, Pa.
GRAHAM—Rotary files. Graham Rotary File & Tool Corp., Philadelphia, Pa.
GRAHAM—Stud and tube welders, processed tip studs and cable connectors. Graham Mfg. Corp., Ferndale, Mich.
GRAND—"C" clamps, shop caddys and fork-liftstackers. Grand Specialties Co., Chicago, Ill.
GRANNYGRIP—Chain sling. The Boyer-Campbell Co., Detroit, Mich.
GRAYDAC—Electrode. Champion Rivet Company, Cleveland, Ohio.
GRAY DEVIL—Electrodes. Champion Rivet Co., Cleveland, Ohio.
GRAY DEVIL NO. 2—Electrode. Champion Rivet Company, Cleveland, Ohio.
GREENLEE—Benders, conduit, pipe and tubing. Greenlee Tool Co., Rockford, Ill.
GREEN-STRIPE—Sandpaper. Clover Mfg. Co., Norwalk, Conn.
GREYCO—Electric drills. Greyhound A.C. Arc Welder Corp., Brooklyn, N. Y.
GREYHOUND—A-C arc welders, portable, bench and stationary spot welders. Greyhound A-C Arc Welder Corp., Brooklyn, N. Y.
GRIFFIN—Hack saw blades and band saws. G. W. Griffin Co., Franklin, N. H.
GRINDHOG—Portable grinders. The Hisey-Wolf Machine Co., Cincinnati, Ohio.
GRINNELL—Welding fittings and prefabricated piping. Grinnell Co., Inc., Providence, R. I.
GRIPCO—Weld and lock nuts. Grip Nut Co., Chicago, Ill.
GRIP-LOK—Grinding wheels. Safety Grinding Wheel and Machine Co., Springfield, Ohio.
GRIP-MASTER—Drill press vise. National Machine Tool Co., Racine, Wis.
GRIP-O-MATIC—Pullers, gear, bearing, etc. Owatonna Tool Co., Owatonna, Minn.
GRIPPO-HANDLE—Hand drill. The United States Electrical Tool Co., Cincinnati, Ohio.
GRIPSO—Vise pliers. H. R. Basford Co., San Francisco, Calif.
GRIP-TITE—Brush holder for brush attached to chipping hammer. Atlas Welding Accessories Co., Ferndale, Mich.
GROUNDEM—Ground clamps. Burndy Engineering Co., Inc., New York, N. Y.
GUARDENE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
GUARDENE SODA-ACID RECHARGER—Fire extinguisher recharger. Pyrene Manufacturing Co., Newark, N. J.
GUARDSMAN—Attachment which can be placed upon a single stage oxygen regulator to make it operate in two stages of reduction. K-G Welding and Cutting Co., New York, N. Y.
GUILD—Portable electric saws and sander; grinder and polisher. The Porter-Cable Machine Co., Syracuse, N. Y.
GUILLOTINE—Portable hydraulic hand, air and electrically operated wire rope, rod, chain and electric cable cutters. Manco Mfg. Co., Bradley, Ill.
GUYAN—Bondwelder. Guyan Machinery Co., Logan, W. Va.

H

H—Aluminum flux. Bierman-Everett Foundry Co., Irvington, N. J.
H.H.—Indicator. H. H. Sell Electric Co., Minneapolis, Minn.
HKP—Wire, bolt, rod, chain and cable cutters. H. K. Porter Inc., Somerville, Mass.
H & M—Pipe cutting and beveling machine. H. & M. Pipe Beveling Machine Co., Tulsa, Okla.
HOCO—Oxygen and acetylene gases compressed in cylinders. Houston Oxygen Co., Houston, Tex.
HPM—Hydraulic presses including presses for electrode extrusion coating. Hydraulic Press Mfg. Co., Mt. Gilead, Ohio.
H. V. BLUE CHIP—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
H. W. D.—Chromium-molybdenum hot-work die steel. Firth-Sterling Steel & Carbide Co., McKeesport, Pa.
HACKNEY—Compressed gas cylinders. Pressed Steel Tank Co., Milwaukee, Wis.
HALLOWELL—Steel work benches, stools and chairs. The Standard Pressed Steel Co., Jenkintown, Pa.
HAMILTON—Rotary files, drilling machines, dies, welding tables and jigs and fixtures. The Hamilton Tool Co., Hamilton, Ohio.
HAMMETT—A-C arc welders. Hammett Electric Mfg. Co., Kansas City, Mo.
HAMPTON—A-C electric welders, electrode holders, portable electric saws, etc. Hampton Electric Mfg. Co., New Kensington, Pa.
HANCO—Vises. Wilton Tool Mfg. Co., Chicago, Ill.
HANCOCK—Globe, angle and gate valves. Manning, Maxwell & Moore, Inc., Bridgeport, Conn.
HANDIWINCH—Hoist, hand and power. American Hoist & Derrick Co., St. Paul, Minn.
HANDNIB—Shears, nibblers, rod cutters and punches. National Machine Tool Co., Racine, Wis.
HAND-O-MATIC—Contact electrodes. Eutectic Welding Alloys Corp., Flushing, N. Y.
HANDY—Drill press vise. National Machine Tool Co., Racine, Wis.
HANDY FLUX—Flux for silver alloy brazing. Handy & Harman, New York, N. Y.
HANDY-SANDY DISKER—Soft-faced, flexible buff-disc sander pad. The Carborundum Co., Niagara Falls, N. Y.
HANOVER NOT-A-SEAM — Welders' gloves. Hanover Glove Co., Hanover, Pa.
HANOVER MASTER WELDER—Welders' gloves. Hanover Glove Co., Hanover, Pa.
HAR-WORTH—Electrode holders, ground clamps, cable connectors and circle burners. The Har-Worth Mfg. Co., Sherwood, Ore.
HARCAST—A-C—D-C mild steel electrode for welding cast iron. Harnischfeger Corp., Milwaukee, Wis.
HARDCHROME—A-C—D-C chromium electrodes. Harnischfeger Corp., Milwaukee, Wis.
HARCOTE—Electrodes for hard-facing. Harnischfeger Corp., Milwaukee, Wis.
HARDALLOY—Hard surfacing electrode. McKay Co., Pittsburgh, Pa.

HARD-CRAFT—Electrodes. Allied Weld-Craft, Inc., Indianapolis 4, Ind.
HARD DEVIL—Hard surfacing. The Champion Rivet Co., Cleveland, Ohio.
HARD-NITE—Hard facing metal. Eld Metal Co., Ltd., Los Angeles, Calif.
HARDENTOUCH—Hard facing electrodes. Westinghouse Electric Corp., E. Pittsburgh, Pa.
HARDEX—Heavily coated welding electrodes. Metal & Thermit Corp., New York, N. Y.
HARDFACER NO. 11 AND NO. 112—Coated type electrodes for hard-facing. Hobart Bros. Co., Troy, Ohio.
HARDWELD—Welding electrode. The Lincoln Electric Co., Cleveland, Ohio.
HARGRAVE—"C" clamps, cold chisels and other small hand tools. The Cincinnati Tool Co., Cincinnati, Ohio.
HARMONANG A—Coated manganese molybdenum electrode. Harnischfeger Corp., Milwaukee, Wis.
HARRIS—Welding and cutting equipment, torches, regulators, acetylene generators, brazing and lead burning "Gasaver" and gas filter equipment, manifolds, cylinder valves, accessories and supplies. Harris Calorific Co., Cleveland, Ohio.
HARRISBURG—Seamless drawn steel cylinders, welded pipe coils, drop forged pipe flanges for welding carbon dioxide liquefiers, hollow forgings, tubular shapes and other steel products. Harrisburg Steel Corporation, Harrisburg, Pa.
HARSTAIN—A-C—D-C electrodes for welding stainless steels. Harnischfeger Corp., Milwaukee, Wis.
HARTUNG — Coated tungsten molybdenum electrode. Harnischfeger Corp., Milwaukee, Wis.
HASCROME—Chromium-manganese-iron hard-facing welding rod. Haynes Stellite Co., New York, N. Y.
HASKINS—Flexible shaft equipment and rotary files. R. G. Haskins Co., Chicago, Ill.
HASTELLOY—Nickel-base. Haynes Stellite Co., New York, N. Y.
HAUCK—Oil burning torches, furnaces and firepots. Hauck Manufacturing Co., Brooklyn, N. Y.
HAYES—Alloys and precision castings. Haynes Stellite Co., New York, N. Y.
HAYES—Torch machines. Hayes Track Appliance Co., Richmond, Ind.
HAYNES STELLITE—Non-ferrous alloys. Haynes Stellite Co., New York, N. Y.
HAYNES STELLITE STAR J—Metal cutting tools. Haynes Stellite Co., New York, N. Y.
HAYNES STELLITE 98M2—Metal cutting tools. Haynes Stellite Co., New York, N. Y.
HAYSTELLITE—Cast tungsten-carbide diamond substitute. Haynes Stellite Co., New York, N. Y.
HAZACORD—Welding cable. Hazard Insulated Wire Works, Div. of the Okonite Co., Wilkes-Barre, Pa.
HEAD-REST—Goggles. Jackson Products, Warren, Mich.
HEALTHGUARD—Sand blast masks. Chicago Eye Shield Co., Chicago, Ill.
HEARTHCRETE—Cement refractory. Quigley Co., Inc., New York, N. Y.
HEAVY-DUTY—Ground clamps. Wagner Manufacturing Co., Inc., Jackson, Mo.
HEBARD—Towing Tractors. The Buda Co., Harvey, Ill.
HELIARC—Inert gas-shielded arc welding apparatus. The Linde Air Products Co., New York, N. Y.
HELIARGON—Inert gas arc welding torches. Bernard Welding Equip. Co., Chicago, Ill.
HELI-MASTER—The Osborn Mfg. Co., Cleveland, Ohio.
HELISTAIN—Welding flux. Sierra Welding Flux Co., Temple City, Calif.
HELLER—Chisels, chipping and scaling and machinists' hammers, handles, holders and steel. Heller Brothers Co., Newark, N. J.
HELIWELDING—Inert arc welding equipment. Air Reduction Sales Co., New York, N. Y.
HELLITE—Refractory cement. Johns-Manville, New York, N. Y.
HEMATOX—Cast iron flux. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.
HERC-ALLOY — Hoisting chains. Columbus McKinnon Chain Corp., Tonawanda, N. Y.
HERCO—A-C transformer type arc welders. Hercules Electric & Mfg. Co., Inc., Brooklyn, N. Y.
HERCULES—Solder flux and paste, iron cement, boiler solder. Hercules Chemical Co. Inc., New York, N. Y.
HERCULES—Copper coated low carbon steel welding rod. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.
HERCULES—Split shaft power take-off. Hercules Steel Products Co., Galion, Ohio.
HERCULES—Gasoline, gas, kerosene and Diesel engines. Hercules Motors Corp., Canton, Ohio.
HERCULES—Type holder and type. The Arco Mark Co., Elizabeth, N. J.
HERCULITE—Welding shield helmets. Dockson Corp., Detroit, Mich.
HERCULOY—Silicon bronze welding rods. Revere Copper and Brass, Inc., New York, N. Y.
HERO—Hose. Mulconroy Co., Philadelphia, Pa.
HEVI-DUTY—Heat treated furnaces, transformers. Hevi-Duty Electric Co., Milwaukee, Wis.
HEVI-LIFT—Electric hoist. Harnischfeger Corp., Milwaukee, Wis.
HEVIKOAT—Heavily flux coated, shielded arc type steel electrode. The Universal Welding Co., Cleveland, Ohio.
HEVY-DUTY—Head stamps. The Acromark Co., Elizabeth, N. J.
HEXACON—Electric soldering and branding irons. Hexacon Electric Co., Roselle Park, N. J.
HICKORY—File handles. O. P. Link Handle Co., Salem, Ind.
HI-CYCLE—High frequency unit. Will-Weld Manufacturing Co., Inc., Omaha, Neb.
HI-DUTY—Soldering outfits. Imperial Brass Manufacturing Co., Chicago, Ill.
HI-LO—A.C. welding machines. HiLo Mfg. Co., Detroit, Mich.
HILO-CHROME—Bonding mortar. Mexico Refractories Co., Mexico, Mo.
HI-MO—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
HI-SPEED—Oxy-acetylene welding and cutting torches. Dockson Corp., Detroit, Mich.
HI-SPEED—Grinding compounds. Clover Manufacturing Co., Norwalk, Conn.
HI-STEEL—Low alloy steel. Inland Steel Co., Chicago, Ill.
HI-TEN—Carbon steel wrenches. Armstrong Bros. Tool Co., Chicago, Ill.
HI-TENSILE—Coated electrodes. Page Steel & Wire Division of American Chain and Cable Co., Inc., Monessen, Pa.
HI-TEST—Non-fuming flux. Air Reduction Sales Company, New York, N. Y.
"HI-WAVE"—Spot welders of condenser discharge type. Taylor-Winfield Corp., Warren, Ohio.
HICARWELD—High carbon steel welding rod. Steel Sales Corp., Chicago, Ill.
HICYCLE—Grinders. Chicago Pneumatic Tool Co., New York, N. Y.
HIGH SPEED—Tinning flux. E. I. du Pont de Nemours & Co., Grasselli Chem. Div., Wilmington, Del.
HIGH VISIBILITY—Protective lens. Lincoln Electric Co., Cleveland, Ohio.
HILOSET—Bonding mortar. Mexico Refractories Co., Mexico, Mo.
HISEY—Grinders and buffers. Hisey-Wolf Machine Co., Cincinnati, Ohio.
HOBART—A-C and D-C arc welding machines, electrodes and equipment, D.C. welding equipment, electric, gas engine driven and diesel engine driven; mobile D.C. welder; battery charger; clean-weld compound; metal filler etc. Hobart Bros Co., Troy, Ohio.
HOBART NO. 111 H. T.—Shielded arc type electrode. Hobart Brothers Co., Troy, Ohio.
HOBART NO. A.C. 77—Electrode. Hobart Brothers Co., Troy, Ohio.
HOBART NO. 55—Heavy coated electrode. Hobart Brothers Co., Troy, Ohio.
HOBART AC 55—Electrode. Hobart Brothers Co., Troy, Ohio.
HOBART NO. 77—A-C electrode. Hobart Brothers Co., Troy, Ohio.
HOBART NO. 111—Shielded arc type electrode. Hobart Brothers Co., Troy, Ohio.
HOBART NO. 885—Electrode for shielded arc welding. Hobart Bros. Co., Troy, Ohio.
HOBART STAINLESS NO. 308—Electrode for welding chrome nickel alloys. Hobart Bros. Co., Troy, Ohio.
HOBART STAINLESS NO. 309—Electrode for welding chrome nickel alloy. Hobart Bros. Co., Troy, Ohio.
HOBART STAINLESS NO. 310—Electrode for welding chrome nickel alloy. Hobart Bros. Co., Troy, Ohio.
HOBART STAINLESS NO. 316—Electrode for welding chrome-nickel moly. Hobart Bros. Co., Troy, Ohio.
HOBART STAINLESS NO. 330—Electrode for stainless steel. Hobart Bros. Co., Troy, Ohio.
HOBART STAINLESS NO. 347—Electrode for welding chrome nickel alloys. Hobart Brothers Co., Troy, Ohio.
HOBART ALUMINUM—Electrode aluminum. Hobart Brothers Co., Troy, Ohio.
HOBBY-FLEX—Light duty flexible shaft machine. The Dumore Co., Racine, Wis.
HOBRONZ—Electrode for carbon arc. Hobart Brothers Co., Troy, Ohio.
HOCO—Oxygen, acetylene, nitrogen, and medical gas mixtures. Houston Oxygen Co., Houston, Tex.
HOFFMAN CHICAGO—Welding dies, fixtures and accessories. Robt. W. Hoffman Co., Chicago, Ill.
HOFFMAN SAFETY FLANGE—Grinding wheel safety flange. Robt. W. Hoffman Co., Chicago, Ill.
HOIST-ALL—Ratchet lever hoist. Coffing Hoist Co., Danville, Ill.
HOIST-JACK—Hoist on a stand. Coffing Hoist Co., Danville, Ill.
HOKE—Torches, regulators, valves, laboratory and other equipment. Hoke, Inc., Englewood, N. J.
HOKE-JEWEL—Oxy-gas torches. Hoke, Inc., Englewood, N. J.
HOKE-PHOENIX—Regulators or reducing valves for compressed gases. Hoke, Inc., Englewood, N. J.
HOL-GRIP—Metallic electrode holders. Tweco Products Co., Wichita, Kan.
HOL-TITE—Electrode holder. Hol-Tite Holder Co., West Frankfort, Ill.
HOLCOMB PROTECTION—Welders' safety garments. Holcomb Safety Garments Co., Chicago, Ill.
HOLCROFT—Furnaces. Holcroft & Co., Detroit, Mich.
HOLD-ARK—Carbon electrodes. Speer Carbon Co., St. Marys, Pa.
HOLE SHOOTER—Electric portable drills. Milwaukee Electric Tool Corp., Milwaukee, Wis.
HOLGUN—Portable electric drills. Van Dorn Electric Tool Co., Towson, Md.
HOLGUN—Portable electric drill. The Black & Decker Mfg. Co., Towson, Md.
HOLLANDS—Pipe cutters wheels, etc. Collmer Bros., South Bend, Ind.
HOLLANDS—Bench, combination pipe and machinists vises and pipe cutters. Hollands Mfg. Co., Erie, Pa.
HOLLUP—Arc welding equipment, electrodes, gas welding rod and accessories. Hollup Corporation, Div., National Cylinder Gas Co., Chicago, Ill.
HOMOX—Acetylene and oxygen gases. Home Oxygen Co., Inc., Huntington Park, Cal.
HOOSIER—Files. E. C. Atkins and Co., Indianapolis, Ind.
HOPANE—A liquefied gas. Hope Natural Gas Co., Clarksburg, W. Va.
HORNET—AC arc welder. Air Reduction Sales Co., New York, N. Y.
HOT SPARK—Torch lighter and flints. Randall Manufacturing Co., North Kansas City, Mo.
HOT SPARK—Spark lighters. Welding & Cutting Materials Co., Kansas City, Mo.
HOT SPOT—Spot, seam and projection welder and resistance welding equipment. Acme Electric Welder Co., Los Angeles, Cal.
HOT SPOT—Flint equipped gas lighter. Universal Power Corp., Cleveland, Ohio.
HOTMARK—Metal marking crayons. The Amer. Crayon Co., Sandusky, Ohio.
HOYT—Babbitt metal. National Lead Co., New York, N. Y.
HOUGHTO-CLEAN—Metal cleaners and rust removers. E. F. Houghton & Co., Philadelphia, Pa.
HULTGREN—Power furnaces. Ajax Electrothermic Corp., Div., Ajax Metal Co., Philadelphia, Pa.
HUNTINGTON PATTERN—Grinding wheel dressers. Collmer Bros., South Bend, Ind.
HUNTINGTON (DESMOND-HUNTINGTON)—Grinding wheel dressers. Desmond-Stephan Mfg. Co., Urbana, Ohio.
HUNTSMAN—Welding helmets, hood and face shields. Keenan Co., Salt Lake City, Utah.
HUNTSMAN—Arc and gas welding shields. Davis Emergency Corp., Newark, N. J
HURBENIUM—Lead alloy coating. Hurbenium Co., Napoleon, Ohio.
HYCARB—High carbon welding electrode. Universal Power Corp., Cleveland, Ohio.
HYCLASP—Welding cable disconnect splice. Burndy Engineering Co., Inc., New York, N. Y.
HYDRO-CLONE—Dust suppressors. Whiting Corp., Harvey, Ill.
HYDROGARDE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
"HYDRO-SPEED"—Multiple point spot welders. The Taylor-Winfield Corp., Warren, Ohio.
HYLINK—Welding cable splice. Burndy Engineering Co., Inc., New York, N. Y.
HYLUG—Welding or st'd cable terminal. Burndy Engineering Co., Inc., New York, N. Y.
HY-LO—Welding electrodes. The Champion Rivet Co., Cleveland, Ohio.
HYMAG—Magnesium silicate; Foote Mineral Co., Philadelphia, Pa.
HY POWA—Wire, bolt, rod, chain and cable cutters. H. K. Porter, Inc., Somerville, Mass.
HY-POWER—Electrically powered, hydraulically actuated equipment. Hannifin Corp., Chicago, Ill.
HYPRESS—Crimping tool. Burndy Engineering Co., Inc., New York, N. Y.
HY-PRESSURE—Welding hose. Goodyear Tire & Rubber Co., Akron, O.
HYTEMP—Protective coatings. Geo. R. Mowat Co., New
HYTEMPITE—High temperature refractory cements. Quigley Co., Inc., New York, N. Y.
HYTOOL—Crimping tool. Burndy Engineering Co., Inc., New York, N. Y.

I

I-O-C—Oxygen acetylene. Indiana Oxygen Co., Indianapolis, Ind.
I-R-C—Lightweight castable refractory. Mexico Refractories Co., Mexico, Mo.
ISC—Automatic flame cutting machine. Industrial Scientific Co., New York, N. Y.
IDEAL—Various electrical items and tools. Ideal Industries, Inc., Sycamore, Ill.
IDEAL—Face shield and lens. Ideal Face Shield Co., Columbus, Ohio.
IDEAL—Welders' handshields. Welding Engineering Corp., Milwaukee, Wis.
IGNITRON—Timing equipment for resistance welding machines. Westinghouse Electric Corp., East Pittsburgh, Pa.
ILG—Centrifugal and motor propeller fans, power roof ventilators, automatic shutters and unit heaters. ILG Electric Ventilating Co., Chicago, Ill.
ILLIUM—Corrosion resistant electrodes and welding rods. Illium Corp., Freeport, Ill.
IMMUNITE—Welding lenses and plates. Harry Buegeleisen, Inc., Brooklyn, N. Y.
IMPACTOOL—Electric Tool. Ingersoll-Rand Co., New York, N. Y.
IMPERIAL—Welding gloves. Imperial Glove Mfg. Co., Berlin, Wis.
IMPERIAL—Welding, cutting and soldering equipment. Imperial Brass Manufacturing Co., Chicago, Ill.
IMPERSO TANKHEATER—Tank heater. Eclipse Fuel Engineering Co., Rockford, Ill.
IMPROVED OVAL CAP—Torch lighter. Flint Products Co., Brooklyn, N. Y.
INCANDESCENT INTENSIFIER—Welding and inspection lamps. Benjamin Electric Mfg. Co., Des Plaines, Ill.
INCANDESCENT PROJECTOLITE—Welding and inspection lamps. Benjamin Electric Mfg. Co., Des Plaines, Ill.
IN-CEL-ATE—Insulating cement. Mexico Refractories Co., Mexico, Mo.
INCO—Rods, electrodes, fluxes, monel and nickel. International Nickel Co., Inc., New York, N. Y.
INCO "#1"—Gas welding and brazing flux. International Nickel Co., Inc., New York, N. Y.
INCO "#2" & "#3"—Gas welding flux. International Nickel Co., Inc., New York, N. Y.
INCONEL—Corrosion-resistant nickel-chromium alloy. The International Nickel Co., New York, N. Y.
INCONEL-CLAD STEEL—Steel plate composed of a layer of solid Inconel. Lukens Steel Co., Coatesville, Pa.
IND-AIR—Oxygen, acetylene hose and welding rods. Industrial Air Products Co., Portland, Ore.
INDEPENDENT—Acetylene cylinders, acetylene charging or compressing plants, oxygen plants; equipment and fittings of all kinds used in the compression of oxygen, acetylene, propane or other gases. Independent Engineering Co., O'Fallon, Ill.
INDESTRUCTO—Resistance welding cables. National Elec. Products Corp., Pittsburgh, Pa.
INDIANA—Oxygen, acetylene. Indiana Oxygen Co., Indianapolis, Ind.
INDUSTRIALAIR—Compressor. Joy Mfg. Co., Pittsburgh, Pa.

INDUSTRIAL CRANE—Overhead cranes, jibs and gantrys. Industrial Equipment Co., Chicago, Ill.
INDUSTRIAL SAFETY APPAREL—Safety clothing without steel reinforcing. Industrial Gloves Co., Danville, Ill.
INDUSTRO—Welding glass. Willson Products, Inc., Reading, Pa.
INFRAX—Aluminum silicate refractory insulating brick. The Carborundum Co., Niagara Falls, N. Y.
INGACLAD—Stainless clad steel. Ingersoll Steel & Disc Div., Borg-Warner Corp., Chicago, Ill.
INLAND HI-STEEL—Low alloy, high strength steel. Jos. T. Ryerson & Son, Inc., Chicago, Ill.
INOXCO—Welding and cutting equipment and flame cutting machines. Industrial Oxygen Co., Louisville, Ky.
IN-R-TOOLS—Work holding tools. Layne-Held Corp. Higginsville, Mo.
INSOROD—Self hardening alloy. Resisto-Loy Co., Grand Rapids, Mich.
INSTO-GAS—Metal melting furnaces; torches and soldering irons. Insto-Gas Corp., Detroit, Mich.
INSUL-LOCK—Cable splice. Victor Equipment Co., San Francisco, Calif.
INSULAG—Refractory and refractory insulation. Quigley Co., Inc., New York, N. Y.
INSULCRETE—Refractories. Quigley Co., Inc., New York, N. Y.
INSWELL—Coil chain. Columbus McKinnon Chain Corp., Tonawanda, N. Y.
INTENSARC—Carbon arc welding electrodes. National Carbon Div., Union Carbide & Carbon Corp., New York, N. Y.
INTERLOX—Extension slide rule. Master Rule Mfg. Co., Middletown, N. Y.
INVARO—Oil-hardening tool steel. Firth-Sterling Steel & Carbide Corp., McKeesport, Pa.
INVINCIBLE—Industrial vacuum cleaners, flux recovery equipment and vacuum producers and blowers. Invincible Vacuum Cleaner Mfg. Co., Dover, Ohio.
IPCO—Safety equipment, welding accessories and first aid supplies. Industrial Products Co., Philadelphia, Pa.
IRONLUNG—Roof ventilation. Iron Lung Ventilator Co., Cleveland, Ohio.
IRONWELD—Powdered flux for welding cast iron. Sight Feed Generator Co., West Alexandria, Ohio
IRPO—Rust proofer or preventative. Wolfe-Kote Co., Inc., Sheboygan, Wis.
ISCO—Walnut caustic potash. Innis, Speiden & Co., New York, N. Y.
ISOROD—Forgeable self-hardening alloy. Resisto-Loy Co., Grand Rapids, Mich.

J

JM—Asbestos, fire bricks, asbestos safety clothing, refractories. Johns-Manville, New York, N. Y.
JM—Sodium silicate. E. I. duPont de Nemours & Co., Inc., Wilmington, Del.
J. S. CHISEL AND PUNCH STEEL—Oil-hardening punch-and-chisel steel. Firth-Sterling Steel and Carbide Co., McKeesport, Pa.
JACKHAMER—Rock drill. Ingersoll-Rand Co., New York, N. Y.
JACKSON—Insulated and semi-insulated electrode holders and a complete line of adjustable eyeshields and hoods. Jackson Products, Detroit, Mich.
JARVIX BIAX—Flexible shafting, flexible shaft machines and portable grinding machines with flexible shafts. Charles L. Jarvis Co., Middletown, Conn.
JARVIS POWER TOOLS—Flexible shaft equipment and flexible shaft tools and tapping attachments. Charles L. Jarvis Co., Middletown, Conn.
JAY BEE—Fire brick. Mexico Refractories Co., Mexico, Mo.
JEMCO—Flexible shaft machine. Jefferson Engineering & Mfg. Co., Detroit, Mich.
JEMCO "C40"—Hard facing rods. Armite Laboratories, Los Angeles, Calif.
JESSOP STAINLESS-CLAD—Stainless steel. Jessop Steel Co., Washington, Pa.
JET-CUT—Grinding wheels. Robertson Mfg. Co., Morrisville, Pa.
JEWEL—Pipe clamps. The Jewel Mfg. Co., St. Paul, Minn.
JEWEL—Coated abrasives. Abrasive Products, Inc., South Braintree, Mass.
JEWEL BRAND WELDISK—Aluminum oxide coated abrasive disc. Made by Abrasive Products, Inc., South Braintree, Mass.
JEWELOX—Coated abrasive in rolls, belts, disc and sheet form. Abrasive Products, Inc., South Braintree, Mass.
JIFFY—Acetylene soldering torches and equipment. Modern Engineering Co., Inc., St. Louis, Mo.
JOHNSON—Metal cutoff bandsaws. Johnson Manufacturing Corp., New York, N. Y.
JOHNSON'S IT CAN BE DONE—Soldering fluid. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.
JOHNSON'S IT CAN BE DONE No. 1—Stainless steel soldering flux. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.
JOMAC—Welding gloves. C. Walker Jones Co., Philadelphia, Pa.
JONES—Abrasive belt swing grinder. Jones Engineering Co., Ellwood City, Pa.
JORGENSEN—Steel bar clamps. Adjustable Clamp Co., Chicago, Ill.
JUBILEE—Oxy-acetylene hose. New York Belting & Packing Co., Passaic, N. J.
JUMBO—Machine cutting torch and tips. Harris Calorific Co., Cleveland, Ohio.
JUMBO—Round flie type spark lighter. Harris Calorific Sales Co. of New York, New York, N. Y.
JUMBO—Torch lighters. Flint Products Co., Brooklyn, N. Y.
JUMBO—Steam hose. The Home Rubber Co., Trenton, N. J.
JUMBO—Goggles that fit over glasses. Sellstrom Mfg. Co., Chicago, Ill.
JUNIOR—A.C. arc welders. Mid-States Welding Mfg. Co., Chicago, Ill.
JUNO—Vises. Wilton Tool Mfg. Co., Chicago, Ill.
JUSTRITE—Fire extinguishers. Justrite Mfg. Co., Chicago, Ill.

K

K-G—Welding and cutting torches, accessories, supplies, regulators, etc. K-G Welding & Cutting Co., New York, N. Y.
KSM—Arc welding studs, electric arc stud welders, parts and accessories. KSM Prod., Inc., Merchantville, N. J.
K MONEL—Nickel-copper aluminum heat-treatable alloy. The International Nickel Co., Inc., New York, N. Y.
KO—Resistance welding electrode holders. P. R. Mallory & Co., Inc., Indianapolis, Ind.
K SERIES—Welding and brazing alloys and fluxes. All-State Welding Alloys Co., Inc., White Plains, N. Y.
K TUNGSTEN—Special tungsten for inert gas shielded arc welding electrodes. P. R. Mallory & Co., Inc., Indianapolis, Ind.
KAM KLAMPS—Pressure clamps for use on jigs and fixtures. Knu-Vise, Inc., Detroit, Mich.
KAM-LOCK—Shutoff valve. Eclipse Fuel Engineering Co., Rockford, Ill.
KANDEL—Arc-oxygen electric underwater cutting torch. Craftsweld Equipment Corp., Long Island City, N. Y.
KANUX—Acetylene and oxygen. Kansas Oxygen Div., Krause Plow Corp., Hutchinson, Kan.
KARRI-GO—Industrial crane. Silent Hoist & Crane Co., Brooklyn, N. Y.
KARSEAL—Cast iron solder. All-State Welding Alloys Co., Inc., White Plains, N. Y.
KAKTIN—Tinning compound. All-State Welding Alloys Co., Inc., White Plains, N. Y.
KASIL—Potassium silicate and electrode coating materials. Philadelphia Quartz Co., Philadelphia, Pa.
KEEN-ARC—Copper coated and cored carbon electrodes. Becker Bros. Carbon Co., Cicero, Ill.
KEENWELD—Brazing alloys and fluxes. All-State Welding Alloys Co., Inc., White Plains, N. Y.
KELEKET—X-ray equipment. Kelley-Koett Mfg. Co., Covington, Ky.
KELLER—Pneumatic tools. Keller Tool Co., Grand Haven, Mich.
KELLER—Power hack saws. Sales Service Machine Tool Co., St. Paul, Minn.
KELLERFLEX—Flexible shaft equipment. Pratt & Whitney (Division Niles-Bement-Pond Co.), W. Hartford, Conn.
KELLEY-KOETT—X-ray equipment, accessories and supplies. Kelley-Koett Mfg. Co., Inc., Covington, Ky.
KELLOGG AMERICAN—Air compressors. Kellog Division of American Brake Shoe Co., Rochester, N. Y.
KENT—Flux recovery unit. The Kent Co., Inc., Rome, N. Y.
KERK-ALOY—Hard-facing alloy. Kerk-Aloy Co., Bloomington, Ind.
KERN—AC-DC combination and inert-gas arc welders. John A. Kern Co., Chicago, Ill.
KEROTEST—Valves, cylinder and piping. Kerotest Manufacturing Co., Pittsburgh, Pa.
KESTER—Solders and fluxes, solder paddles. Kester Solder Co., Chicago, Ill.
KEWANEE—Unions. Walworth Co., New York, N. Y.
KEY-GRAPHITE—Sealing compound. Key Co., E. St. Louis, Mo.
KEYSTONE—Tungsten chisel steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
KEYSTONE—Bench vises. Hollands Mfg. Co., Erie, Pa.
KEYSTONE—Lubricants. Keystone Lubricating Co., Philadelphia, Pa.
KICKLESS—Resistance welding cables. Mackworth G. Rees, Inc., Belleville, N. J.
KIDDE—Fire extinguishers and systems. Walter Kidde & Co., Inc., Belleville, N. J.
KIMBALL—Welders' aprons, gloves, goggles, helmets, leather suits, leggings, sleeves, metal arm protectors, sweat pads, lens and cover plates. Kimball Safety Products Co., Cleveland, Ohio.
KINMONT UNIVERSAL POWER UNIT—Welding positioner and power source. Roylyn, Inc., Glendale, Calif.
KIRKSITE A—Die metal alloy. Morris P. Kirk & Son, Inc., Los Angeles, Calif.
KLAMPACTO—Quick acting toggle type "C" clamp. Knu-Vise, Inc., Detroit, Mich.
KLEANAIR—Respirators. Safety Equipment Service Co., Cleveland, Ohio.
KLEANROD—Soldering fluxes. E. I. du Pont de Nemours & Co., Grasselli Chemicals Dept., Wilmington, Del.
KLEANWELD—Fluxes for aluminum castings, cast iron, brass and bronze welding of malleable iron, brass or bronze welding of cast iron. K-G Welding & Cutting Co., Inc., New York, N. Y.
KLEARSITE KOVERGLAS—Non-pitting coverglass for arc welding hoods, and welding goggles. Carter-Lockard Co., Los Angeles, Calif.
KLEM—Cleaner. Klem Chemicals, Inc., Dearborn, Mich.
KLERO—Packing. Greene, Tweed & Co., North Wales, Pa.
KLING—Shears and presses. Kling Bros. Engineering Works, Chicago, Ill.
KNOCK-OUT—A-C arc welders, arc torches. K. O. Lee Co., Aberdeen, S. D.
KNOLES—Trucks and cylinders. Adams Mfg. & Supply Co., Los Angeles, Calif.
KNU-LOK—Toggle type pliers. Knu-Vise, Inc., Detroit, Mich.
KNU-SINE—Bar base toggle-clamps. Knu-Vise, Inc., Detroit, Mich.
KNU-VISE—Toggle clamps and pliers. Lapeer Manufacturing Co., Lapeer, Mich.
KODAGRAPH—Reproduction materials and micro filming equipment. Eastman Kodak Co., Rochester, N. Y.
KODAK INDUSTRIAL X-RAY FILMS—X-ray film. Eastman Kodak Co., Rochester, N. Y.
KODAK X-RAY FILM DEVELOPERS—Film processing solutions. Eastman Kodak Co., Rochester, N. Y.
KODAK X-RAY FILM FIXERS—Film Fixers in powder and liquid forms. Eastman Kodak Co., Rochester, N. Y.
KODAK INDUSTRIAL INTENSIFYING SCREENS—Screens to increase the effect of the x-radiation. Eastman Kodak Co., Rochester, N. Y.
KODAK TRANSFAX SPRAY—Solution with which working drawings can be printed directly on metal. Eastman Kodak Co., Rochester, N. Y.
KOLDPOINT—Electrode cooling system and resistance welding electrodes. The American Electric Fusion Corporation, Chicago, Ill.
KOOLITE—Plastic material for handles of torches and blowpipes. National Welding Equipment Co., Ltd., San Francisco, Calif.
KOOLPORE—Grinding wheels. Bay State Abrasive Prod. Co., Westboro, Mass.
KOP-R-ARC NO. 6—Coated copper electrodes. Krembs & Co., Chicago, Ill.
KOP-R-ARC NO. 9—Coated phosphor copper electrodes. Krembs & Co., Chicago, Ill.
KOP-R-ARC NO. 10—Coated silicon copper electrodes. Krembs & Co., Chicago, Ill.
KOPPER KORE—Electric soldering iron. Kwikheat Mfg. Co., Glendale, Calif.
KORKER—Oxy-acetylene hose. Quaker Rubber Hose Co., Philadelphia, Pa.
KORN—Leathers. Korn Leather Co., Peabody, Mass.
KORNER-KLAMP—Welding clamp. Thermacote Co., Los Angeles, Calif.
KRAFTGUARD—Goggles. Chicago Eye Shield Co., Chicago, Ill.
KRANEKAR—Mobile swing-boom crane. Silent Hoist & Crane Co. Inc., Brooklyn, N. Y.
KRE-CO—Brazing alloy rings and soldering and welding fluxes. Charles W. Krieg Co., Newark, N. J.
KRESS-McKNEAT—Oil and gas burning appliances, preheaters, forges, torches, and furnaces. H. H. Kress, Philadelphia, Pa.
KROME-KOTE—Rust remover and sealer. Wolfe-Kote Co., Inc., Sheboygan, Wis.
KROMEWELD—Flux for welding stainless steels and stainless iron. Air Reduction Sales Co., New York, N. Y.
KROMOVER—Tinning pencil. All-State Welding Alloys Co., Inc., White Plains, N. Y.
KROMOX—Chrome nickel steel rod for oxyacetylene welding. Central Steel & Wire Co., Chicago, Ill.
KUP—Molded packing. Greene, Tweed Co., North Wales, Pa.
KUT-KWIK—High speed steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
KUT-MOR—Portable motor driven gas cutting machine. Gasco Equipment Co., Chicago, Ill.
KUTALL—Hack saw blades. Spartan Saw Works, Inc., Springfield, Mass.
KWIKFLUX—Silver brazing and welding flux. Special Chemicals Co., New York, N. Y.
KWIKFLUX No. 41—Brazing flux. Special Chemicals Co., New York, N. Y.
KWIKFLUX No. 49—Brazing flux. Special Chemicals Co., New York, N. Y.
KWIKFLUX No. 54—Brazing flux. Special Chemicals Co., New York, N. Y.
KWIK-HEAT—Electric soldering iron. Kwikheat Mfg. Co., Glendale, Calif.
KWIK-HEAT "TYPE 400"—Electric soldering iron. Kwikheat Mfg. Co., Glendale, Calif.
KWIK-KLAMP—Adjustable clamp. Danly Machine Specialties, Inc., Chicago, Ill.
KYRAM—Refractories. Quigley Co., Inc., New York, N. Y.

L

L NICKEL—Low-carbon form of nickel. International Nickel Co., Inc., New York, N. Y.
L. A. ALUMINUM BRAZING FLUX TYPE 1—Aluminum brazing flux. Canadian Liquid Air Co., Ltd., Montreal, Canada.
LH 70—Electrodes. Lincoln Electric Co., Cleveland, Ohio.
LP—Form mixing low pressure gas and air. Eclipse Fuel Engineering Co., Rockford, Ill.
L-T-B-50—Plastic head rest spectacle. Jackson Products Co., Detroit, Mich.
LWZ—Line arc magnetic contactors. The Electric Controller & Manufacturing Co., Cleveland, Ohio.
LACLEDE-CHRISTY—Fire brick and refractories. Laclede-Christy Co., St. Louis, Mo.
LADY'S MAN—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
LAPEER—Toggle action clamps and pliers and "C" clamps. Lapeer Mfg. Co., Detroit, Mich.
LARKIN—A-C welders. Resistance spot, butt, seam, flash and projection welders and gun welders, arc torch, welder's protective cloth and accessories. Larkin Lectro Products Corp., Pine Bluff, Arkansas.
LARSEN—Round file or automatic types of spark lighter. Matchless Utilities Co., Brooklyn, N. Y.
LAY-RITE—Hard surfacing metal. Eid Metal Co., Ltd., Los Angeles, Calif.
LAY-SET—Performed wire rope. Hazard Wire Rope Div., of Amer. Chain & Cable Co., Inc., Wilkes-Barre, Pa.
LEADER—Automatic AC electric welder. Leader Welder & Mfg. Co., Berkeley, Calif.
LEAK-PRUF—Acid Core Solder. Alpha Metals Inc., Brooklyn, N. Y.
LECTRO-SHEAR—Electrically operated shear. Black and Decker Mfg. Co., Towson, Md.
LEDLOY—Lead bearing, open hearth steel. Inland Steel Co., Chicago, Ill.
LE-HI—Clamps, couplings, fitting, unions and valves. Hose Accessories Co., Phila., Pa.
LEJAY—D-C arc welders and electric brazing outfits. Lejay Mfg. Co., Minneapolis, Minn.

LENAPE RED MAN—Seamless forged welding necks, Sweep type boiler nozzles, eliptical handhole and manhole saddles, rings and fittings, special press-formed members for welded construction in pressure vessels, machinery and transportation equipment. Lenape Hydraulic Pressing & Forging Co., West Chester, Pa.

LEVOLIER—Electric switches. McGill Mfg. Co., Inc., Valparaiso, Ind.

LEWIS—Wire straightening and cutting machines. The Lewis Machine Co., Cleveland, Ohio.

LIBERTY—Fibre welding helmet. Welding Engineering Corp., Milwaukee, Wis.

LIBERTY—Coil and machine chain. The Cleveland Chain & Mfg. Co., Cleveland, Ohio.

LICHTMAN—Leather for welder's clothing. J. Lichtman & Sons, Newark, N. J.

LIFETIME—Sheet, plate, wire, rod, bar, structural shapes, extrusions, tubing, aluminum products, etc. Reynolds Metals Co., Louisville, Ky.

LIFETIME—Welding and cutting torches. Smith Welding Equipment Corp., Minneapolis, Minn.

LIFT-FRONT—Welder's goggle. American Industrial Safety Equipment Co., Brooklyn, N. Y.

LIFT-O-KRANE—Fork lift trucks. Silent Hoist & Crane Co., Brooklyn, N. Y.

LIGTNING LIFT—Lifting jack. Blackhawk Mfg. Co., Milwaukee, Wis.

LIGHTWELD—Welding electrode. Lincoln Electric Co., Cleveland, Ohio.

LIN-DE-SURFACER—Machines for the mechanized oxy-acetylene conditioning of steel. The Linde Air Products Co., New York, N. Y.

LINCOLN—Electric arc welding equipment. The Lincoln Electric Co., Cleveland, Ohio.

LINCOLNDUCTOR—Welding cable. Lincoln Electric Co., Cleveland, Ohio

LINCOLN ELECTRODE HOLDERS—Electrode holders. The Lincoln Electric Co., Cleveland, Ohio.

LINCOLN GROUND CLAMPS—Ground clamps. Lincoln Electric Co., Cleveland, Ohio.

LINCOLN HIGH VISIBILITY—Welding glass for electric arc welding. The Lincoln Electric Co., Cleveland, Ohio.

LINCOLN PROTECTIVE SHIELD—Leak-proof head shields. The Lincoln Electric Co., Cleveland, Ohio.

LINCOLNWELD—Submerged arc welder. Lincoln Electric Co., Cleveland, Ohio.

LINCONTROL—A foot operated welding control. Lincoln Electric Co., Cleveland, Ohio.

LINCWELDER—A-C welder. The Lincoln Steel Co., Coatesville, Pa.

LINDE—Liquid air, oxygen, hydrogen, nitrogen and rare gases automatic barrel welding machines; oxy-acetylene steel-conditioning machines; oxygen regulators. The Linde Air Products Co., New York, N. Y.

LINDOX—Oxygen. Linde Air Products Co., New York, N. Y.

LINE-ARC—Magnetic contactors. Electric Controller & Mfg. Co., Cleveland, Ohio.

LINK—Welding machines. Link Welder Corp., Detroit, Mich.

LION—American pattern files. Grobet File Co. of America, Inc., New York, N. Y.

LIQUID HEAT—Salt bath material. E. F. Houghton & Co., Phila., Pa.

LIQUID—Acetylene, oxygen and compressed hydrogen. Liquid Carbonic Corp., Industrial Gas Div., Chicago, Ill.

LIQUIFLUX—Liquid flux for brazing non-ferrous metals and for welding copper, brass, bronze, cast and malleable iron, also for certain silver soldering. The Sight Feed Generator Co., W. Alexandria, Ohio

LIQUIFLUXER—Fluxer for feeding liquid flux into acetylene gas for brazing and welding. Also certain silver soldering operations. The Sight Feed Generator Co., W. Alexandria, Ohio

LIQUI-JECTOR—Liquid removal from air and gas lines. Selas Corp. of America, Philadelphia, Pa.

LITECOTE—Mild steel electrode. Harnischfeger Corp., Milwaukee, Wis.

LITE-NING—Carbon-arc torch. Cesco Products, Inc., Chicago, Ill.

LITEWATE—Goggles. Sellstrom Mfg. Co., Chicago, Ill.

LITTLE DAVID—Arc welding electrode holder. Lacey-Webber Co., Kalamazoo, Mich.

LITTLE GIANT—Pneumatic chipping hammer. The Dalett Co., Philadelphia, Pa.

LITTLE GIANT—Die stock sets. Greenfield Tap & Die Corp., Greenfield, Mass.

LITTLE PAL—Portable acetylene generator. Modern Engineering Co., Inc., St. Louis, Mo.

LITTLE WIZARD—Differential chain hoist. David Round & Son, Cleveland, O.

LIVE LINE—Ground clamp. Railway & Industrial Engineering Co., Greensburg, Pa.

LLOYD'S SOLDERING FLUX—Soldering fluids. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.

LLOYD'S No. 7—Silver solder flux. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.

LLOYD'S No. 6—Soldering fluid. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.

LLOYD'S STAINLESS—Stainless steel soldering flux. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.

LOAD KING—Spur-geared and electric chain hoists and wire rope electric hoist. The Yale & Towne Mfg. Co., Philadelphia, Pa.

LOAD LIFTER—Electric hoists and cranes. Manning, Maxwell & Moore, Inc., Muskegon, Mich.

LOCKLITE—Welding goggles. Carter-Lockard Co., Los Angeles, Calif.

LO-CRO—Electrodes for chromium steel. Crucible Steel Co. of America, New York, N. Y.

LO-FLO—Silver solders. Goldsmith Bros. Smelting and Refining Co., Chicago, Ill.

LO-MELT COPPER—Phos-copper alloy. Canadian Liquid Air Co., Ltd., Montreal, Que., Canada.

LOCKWEAVE—Coil chain. The Cleveland Chain & Mfg. Co., Cleveland, Ohio.

LOCKWELD—Welding electrodes. Larkin Lectro Products Corp., Pine Bluff, Arkansas.

LO-MAINTENANCE—Electric motors and motor control. Allis-Chalmers Mfg. Co., Milwaukee, Wis.

LONGBOY—50 ft. rule. Master Rule Mfg. Co., Middletown, N. Y.

LONG-LIFE—Protective and working gloves. Standard Safety Equipment Co., Chicago, Ill.

LONG-LIFE—Laminated plates and lenses. Sellstrom Mfg. Co., Chicago, Ill.

LONGLYFE—Sandblast nozzles. American Wheelabrator & Equip. Corp., Mishawaka, Ind.

LOOKS—Goggles. Mine Safety Appliances Co., Pittsburgh, Pa.

LOW TEMPERATURE No. 1100—Silver brazing fluxes. The American Platinum Works, Newark, N. J.

LOW TEMPERATURE WELDING ALLOYS—Welding rods. Eutectic Welding Alloys Corp., New York, N. Y.

LUBRO-CONTROL—Filter-lubricator-regulator. Norgren Co., C. A., Denver, Colo.

LUG-SET—Cable lug attachment equipment and cable splicers. Tweco Products Co., Wichita, Kans.

LUKENS NICKEL-CLAD—Nickel-clad steel. Lukens Steel Co., Coatesville, Pa.

LUKENWELD—Steel plate products. Lukens Steel Co., Coatesville, Pa.

LUMINARC—Flux coated, aluminum welding electrode. Universal Welding Corp., Cleveland, Ohio.

LUXIFLUX—Nonoxidizing corrective flux. Special Chemicals Co., New York, N. Y.

LYON—Welding benches and tables. Lyon Metal Products, Inc., Aurora, Ill.

LYTESTONE SOLDERING FLUX—Flux. Farrelley Co., Philadelphia, Pa.

M

M-22—Fire brick. Mexico Refractories Co., Mexico, Mo.

M-26—Fire brick. Mexico Refractories Co., Mexico, Mo.

M-B—Airline filters and lubricators; air pressure regulators and portable pneumatic grinders. M-B Products, Detroit, Mich.

MMM—Coated abrasive, adhesives, masking tape, etc. Minnesota Mining and Mfg. Co., St. Paul, Minn.

MO-FOG—Non-fogging compound. Carhoff Co., Cleveland, Ohio.

MSA—Welding helmets, protective hats, coated covered glass, airline respirators, goggles, first aid kits, fire blankets, welders' leather clothing, welders' ear protectors, gas detectors and indicators and metal fume respirators. Mine Safety Appliances Co., Pittsburgh, Pa.

MSA-LAMB—Venturi type air-venting apparatus. Mine Safety Appliances Co., Pittsburgh, Pa.

M & T—Welding machines and welding accessories. Metal & Thermit Corp., New York, N. Y.

MTV—Adjustable gas welding tip. L. B. White Co., La Crosse, Wis.

MW—Welding rods. The Oxweld Railroad Service Co., Chicago, Ill.

M/W—Welding and cutting equipment, welding rods, electrodes, accessories and supplies. Machinery and Welder Corp., Chicago, Ill.

MW-50—Insulating Cement. The Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio.

M/W ALUMINUM—Gas welding wire. Machinery & Welder Corp., Chicago, Ill.

M/W 95-5 ALUMINUM (DRAWN)—Welding rod. Machinery & Welder Corp., Chicago, Ill.

M/W CAST ALUMINUM—Alloy rod. Machinery & Welder Corp., Chicago, Ill.

M/W HARDSURF—Hard surfacing electrodes. Machinery & Welder Corp., Chicago, Ill.

M/W HEAVY-COATED ALUMINUM—Arc welding electrode. Machinery & Welder Corp., Chicago, Ill.

M/W LOW-FUMING BRONZE No. 997—Welding rod. Machinery & Welder Corp., Chicago, Ill.

M/W MANGANESE BRONZE—Alloy for welding of cast, malleable iron, steel, wrought, galvanized iron, brass, copper. Machinery & Welder Corp., Chicago, Ill.

M/W NICMAN—Bare or coated electrodes. Machinery & Welder Corp., Chicago, Ill.

M/W PHOSPHOR BRONZE—Coated electrode. Machinery & Welder Corp., Chicago, Ill.

MX—Abrasives for finishing, polishing and deburring, wheels, discs, sticks. The Carborundum Co., Niagara Falls, N. Y.

MACALOY—Phosphide brazing and welding alloys. McCauley Alloy Company, Steger, Ill.

MACALOY B-C—Hard surfacing rods. McCauley Alloy Sales Co., Chicago, Ill.

MACALOY E-F-G—Brazing rods. McCauley Alloy Sales Co., Chicago, Ill.

MACK-FLEX—Flexible grinding wheels. Macklin Company, Jackson, Mich.

MACKLIN—Abrasive grinding wheels. Macklin Co., Jackson, Mich.

MACLEOD—Fans and burners, etc. The Macleod Co., Cincinnati, Ohio.

MACO—Abrasion and corrosion resistant alloy castings. McCauley Alloy Co., Steger, Ill.

MAGBOND—Colloidal gelatinous binder and lubricant. Foote Mineral Co., Philadelphia, Pa.

MAGIC WAND—Portable A-C arc welder. Patent Specialties, Inc., Miami, Fla.

MAG-NA FLO—Flux for gas welding of magnesium. Park Stewart, Worthington, Pa.

MAGNAFLUX—Magnetic particle inspection equipment. Magnaflux Corp., Chicago, Ill.

MAGNAGLO—Fluorescent magnetic particle inspection equipment. Magnaflux Corp., Chicago, Ill.

MAGNAGROUND—Magnetic ground clamp. Dings Magnetic Separator Co., Milwaukee, Wis.

MAGNA-LYTE—Portable welding gun. Progressive Welder Sales Co., Detroit, Mich.

MAGNAPASS—Passivator and cleaner for stainless steels. Best Effect Chemical Co., Hackensack, N. J.

MAGNATATE—Rust, stain and scratch remover from stainless steels. Best Effect Chemical Co., Hackensack, N. J.

MAGNA-TONE NM—Manganese steel rebuilding alloy. Resisto-Loy Co., Grand Rapids, Mich.

MAGNETRODE—Magnetic ground. Magnetrode Corp., Kansas City, Mo.

MAGNOLIA—Babbitt metals. Magnolia Metal Co., Elizabeth, N. J.

MAGNOLIA—Welding and cutting equipment, accessories, supplies, etc., Air Reduction Sales Co., New York, N. Y.

MAHR—Oil burning preheating torches, oil gas and electric industrial furnaces and equipment. Mahr Mfg. Co., Minneapolis, Minn.

MAINLINE—Welding electrode holder service kit. Moorewood Electric & Mfg. Co., Milwaukee, Wis.

MAJOR—Rubber covered welding cable. National Cable Corp., Milwaukee, Wis.

MAJOR—Cable for welders. Barm Mfg. Co., Elgin, Ill.

MAKEPEACE—Brazing alloys and rings, silver brazing fluxes and alloys. D. E. Makepeace Co., Attleboro, Mass.

MALL—Flexible shaft equipment and portable power tools. Mall Tool Co., Chicago, Ill.

MALL DRILS—Portable electric drills. Mall Tool Co., Chicago, Ill.

MALL FLEX—Flexible shaft machine. Mall Tool Co., Chicago, Ill.

MALL POLISHER—Portable electric polishers. Mall Tool Co., Chicago, Ill.

MALLSAWS—Portable electric saws. Mall Tool Co., Chicago, Ill.

MALLORY 3, 22, 53B, 53Z, 73, 84, 100—Copper alloys used in resistance welding applications. P. R. Mallory & Co., Inc., Indianapolis, Ind.

MALLORY 100M & 100W—High conductivity refractory materials used in resistance welding. P. R. Mallory & Co., Inc., Indianapolis, Ind.

MALLORY—Welding alloys. Commerce Pattern Foundry & Mach. Co., Detroit, Mich.

MALTESE—Welding glasses. Semon Bache & Co., New York, N. Y.

MANALLINCOLN WELD—Submerged arc welder. Lincoln Electric Co., Cleveland, Ohio.

MANCO—Bolt rod and wire cutters. Manco Mfg. Co., Bradley, Ill.

MANGALOY—Build-up electrodes. Bergstrom Alloys Corp., Reno, Nev.

MANGALOY RX—Manganese welding rod. Industrial Overlay Metals, Inc., Eaton, Ohio.

MANGALOY W—Manganese nickel welding rod. Industrial Overlay Metals Inc., Eaton, O.

MANGANAL—Manganese nickel steel electrodes, wedge bars, applicator bars, plates. Stulz-Sickles Co., Newark, N. J.

MANGANARC—Manganese electrodes and welding rods. Universal Welding Corp., Cleveland, Ohio.

MANGANEND 13—Electrodes for welding manganese nickel steels. Arcos Corp., Philadelphia, Pa.

MANGANEND 2M—Alloy manganese-molybdenum electrode. Arcos Corp., Philadelphia, Pa.

MANGANICK—Cold-drawn and heat treated electrode. Hobart Brothers Co., Troy, Ohio.

MANGANOX—Brown manganese oxide. Foote Mineral Co., Philadelphia, Pa.

MANGANOX—Manganese combined with a nickel content and a high percentage of carbon steel rod for arc welding. Central Steel & Wire Co., Chicago, Ill.

MANGANWELD—Welding electrodes. The Lincoln Electric Co., Cleveland, Ohio.

MANGA-TONE NM—Alloyed rod. Resisto-Loy Co., Grand Rapids, Mich.

MANHATTAN—Abrasive wheels, hose. The Manhattan Rubber Mfg. Div., Raybestos-Manhattan, Inc., Passaic, N. J.

MANHATTAN—Packing. Greene, Tweed & Co., New York, N. Y.

MANKOTE—Flux coated high manganese rod. Central Steel & Wire Co., Chicago, Ill.

MANSIL—Non deforming oil hardening tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.

MANSON—Friction tape. The Okonite Co., Passaic, N. J.

MAN-TEN (USS)—Steel. United States Steel Subsidiaries, Pittsburgh, Pa.

MARION—Panel type electrical indicating instruments. Marion Electrical Instrument Co., Manchester, N. H.

MARISON—Compressed gas cylinders. The Marison Co., South Elgin, Ill.

MARKAL PAINT STICKS—Industrial paint markers in stick form. Markal Co., Chicago, Ill.

MARQUETTE—A-C arc welders of the transformer type. Marquette Manufacturing Co., Inc., Minneapolis, Minn.

MARQUETTE ARC TORCH—Attachment for A-C and D-C welders to produce independent welding and heating flame. Marquette Manufacturing Co., Inc., Minneapolis, Minn.

MARSH—Gauges. James P. Marsh Corp., Skokie, Ill.

MARSTWELD—Swedish Marten soft steel welding wire. Swedish Iron and Steel Corp., New York, N. Y.

MAR-TEMP—Heat treating salts and quenching oils. E. F. Houghton & Co., Philadelphia, Pa.

MARTIN—Automatic welding machines, portable gun welders, spot projection type welding machines, rocker arm welder, and presstype welders, welding transformers and welding cable. Martin Electric Co., Detroit, Mich.

MARVEL—Portable blowers, exhaust blowers, forge blowers, and ventilating fans. Electric Blower Co., Boston, Mass.

MARVEL—Brazing fluxes. Air Reduction Sales Co., New York, N. Y.

MARVEL—Cutters, bolts and rod, wire, hack saw machines, band saws, hack saws and machinist's vises. Armstrong-Blum Mfg. Co., Chicago, Ill.

MARVEL—Sanding discs. Bates Products, Inc., Chicago, Ill.

MASONEILAN—Air pressure regulators and filters. Masoneilan Regulator Co., Boston, Mass.

MASTER—Wire wheel brushes. The Osborn Manufacturing Co., Cleveland, Ohio.
MASTER MECHANIC KIT—Welding and cutting outfits. Burdett Oxygen Co., Cleveland, Ohio.
MASTER POWER—Portable pneumatic tools. Master Pneumatic Tool Co., Inc., Cleveland, Ohio.
MASTER ROD SAVER—Electrode holders. Martin Wells, Inc., Los Angeles, Calif.
MATCHLESS—Automatic spark lighter. Matchless Utilities Co., Brooklyn, N. Y.
MAURATH—Flux-coated alloy-steel electrodes. Maurath, Inc., Cleveland, Ohio.
MAYARI R—Low alloy high strength steel. Bethlehem Steel Co., Bethlehem, Pa.
MAYHEW—Mechanics hand tools. Mayhew Steel Products, Inc., Shelburne Falls, Mass.
MAZLO—Welding rods. American Magnesium Corp., Cleveland, Ohio.
McCABE—Pneumatic flanging machines. McCabe Mfg. Co., Lawrence, Mass.
McCANN—Stress relieving furnaces. Young Brothers Co., Cleveland, Ohio.
McCLARY—Electrode holders. McClary & Buyers Equipment Co., Oakland, Calif.
McDONALD "BURTWELD"—Lenses. B. F. McDonald Co., Los Angeles, Calif.
McGILL—Portable Lamp Guards, McGill Mfg. Co., Inc., Valparaiso, Ind.
McKAY—Shielded arc welding electrodes. The McKay Co., Pittsburgh, Pa.
McHALE—Spot and seam Heliarc welding jigs. McHale Mfg Co. Los Angeles, Calif.
McKAY—Valves for high pressure gas cylinders. Linde Air Products Co., New York, N. Y.
McKEE ECLIPSE—Furnaces, blast burners, tips and nozzles and igniters. Eclipse Fuel Engrg. Co., Rockford, Ill.
MEASURRENCH—Torque indicating wrench. J. H. Williams & Co., Buffalo, N. Y.
MECHANICAL CONNECTORS—Cable connectors. National Electric Products Co., Pittsburgh, Pa.
MECHANICS ROLLS—Aluminum oxide cloth rolls. Clover Manufacturing Co., Norwalk, Conn.
MECHANI-CUTS—Power hack saws. Peerless Machine Co., Racine, Wis.
MECO—Welding and cutting apparatus and supplies, accessories, preheating torches, acetylene generators, electric welding accessories, etc. Modern Engineering Co., St. Louis, Mo.
MEC-CON—Full mechanical detachable type cable connector. Tweco Products Co., Wichita, Kans.
MECH MASTER—Toggle clamps. Mechanics Engineering Co., Jackson, Mich.
MEEHANITE—Sorbo-pearlitic iron. Meehanite Metal Corp., New Rochelle, N. Y.
MELTOMATIC—Tinning compounds. Wayne Chemical Products Co., Detroit, Mich.
MERCURY—Twist drills. Cogsdill Twist Drill Co., Rockford, Ill.
MERCURY—Electric soldering irons. Vulcan Electric Co., Danvers, Mass.
MERIX ANTI-FOG—Anti-fog compounds. Merix Chemical Co., Chicago, Ill.
MERIX ANTI-STATIC 79—Polishing compound. Merix Chemical Co., Chicago, Ill.
MERIX COMPOUND "MEG"—Lens cleaner. Merix Chemical Co., Chicago, Ill.
MERIX DRY-CRISP—Rust preventative. Merix Chemical Co., Chicago, Ill.
MESTA-THOMSON-GIBB—Flash welder Mesta Machine Co., Pittsburgh, Pa.
METAL BOND—Soldering and welding fluxes, hard and aluminum solder. Metal Bond Mfg. Co., St. Louis, Mo.
METAL MARK—Metal marking crayons. The American Crayon Co., Sandusky, Ohio.
METALITE—Aluminum oxide coated abrasive. Behr-Manning Corp., Troy, N. Y.
METALITE—Hard facing alloys. Adams Alloy Co., Wakita, Okla.
METALKLAD—Arc welding lens. American Agile Corp., Cleveland, Ohio.
METALLIZER—Gun for spraying surfaces with metal. Metallizing Co. of America, Inc., Chicago, Ill.
METAL MASTER—Welder. Clinton Machine Co., Clinton, Mich.
METAL ZIPPER—A-C arc welder. Mid-States Equipment Corp., Chicago, Ill.
METALMASTER—Welding, cutting and metal-treating apparatus. Linde Air Products Co., New York, N. Y.
METALMASTER—Electric drills, saws and grinders. The Bradford Machine Tool Co., Cincinnati, Ohio.
METALSPRAY—Metal spraying gun, also metal spraying equipment. Metalspray Co., Inc., Los Angeles, Calif.
METCO—Metallizing guns and equipment. Metallizing Engineering Co., Long Island City, N. Y.
METCOLITE—Non-metalic abrasive. Metallizing Engineering Co., Inc., Long Island City, N. Y.
METCOLOY—Stainless steel metallizing wire. Metallizing Engineering Co., Inc., Long Island City, N. Y.
METCO-WELD—Metallizing wire. Metallizing Engineering Co., Long Island City, N. Y.
METEOR—Electric hoist. Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
METRO—Welding helmets, hand shields, goggles. Metro Manufacturing Co., Long Island City, N. Y.
METRON—Spot welders. Metron Instrument Co., Denver, Colo.
METROWELD—Filter-lens for goggles, helmets and hand-shields. Metro Mfg. Co., Long Island City, N. Y.
METSO METAL CLEANERS—Philadelphia Quartz Co., Philadelphia, Pa.
METWELD—Welding and cutting torches, accessories, supplies, acetylene generators, and arc welders. Welding Metals Mfg. Co., E. Detroit, Mich.
MEX-R-CO LO-SET—Bonding mortar. Mexico Refractories Co., Mexico, Mo.
MEX-R-CO HY-SET—Bonding mortar. Mexico Refractories Co., Mexico, Mo.
MEZURALL—Chrome-clad tape rules. The Lufkin Rule Co., Saginaw, Mich.
MICALITE—Micalite eyeshield. Harry Buegeleisen, Inc., Brooklyn, N. Y.
MICHEL—Weld-timer. The Central Sales Corp., Chicago, Ill.
MICROMETRIC—Speed control valves. Hannifin Corp., Chicago, Ill.
MICROPOISE—Balancing machines. Commerce Pattern Foundry & Machinery Co., Detroit, Mich.
MICRO-FILM—Brazing and soldering alloys. Fusion Engineering Co., Cleveland, Ohio.
MICRO-FOG—Lubricator. Norgren Co., C.A., Denver, Colo.
MICRO-SPRAY—Paint gun. Kellogg Division of American Brake Shoe Co., Rochester, N. Y.
MICRO-WELD—Spot, butt and flash welders. Micro Products Co., Chicago, Ill.
MIDGET—Welding torches. Modern Engineering Co., Inc., St. Louis, Mo.
MIDGET—Spot and butt welders. Universal Welder Corp., Cleveland, Ohio.
MIDGET KING—Roller chain electric hoist. The Yale & Towne Mfg. Co., Philadelphia, Pa.
MIDGET TRIPLOC—Plugs and receptacles. Pyle-National Co., Chicago, Ill.
MID-STATES—AC arc welders, carbon arc torches and high frequency arc stabilizers. Mid-States Welder Mfg. Co., Chicago, Ill.
MID-STATES METAL ZIPPER—Arc welder. Mid-States Welder Mfg. Co., Chicago, Ill.
MIDWEST—Fabricated piping, and pipe welding fittings. Midwest Piping and Supply Co., St. Louis, Mo.
MIGHTY-MIDGET—Portable acetylene generators. John R. R. Miles, Inc., Minneapolis, Minn.
MIGHTY MIDGET—Ratchet lever hoist, pullers. Coffing Hoist Co., Danville, Ill.
MIKALOID—Plastic goggles. Burdett Oxygen Co., Cleveland, Ohio.
MILBURN—Oxy-acetylene welding and cutting equipment and accessories. Milburn, Alex., Inc., Baltimore, Md.
MILES—Portable welding and cutting torches, regulators, acetylene generators. John R. R. Miles, Inc., Minneapolis, Minn.
MILFORD—Hack saw blades, metal cutting band saw blades. Henry G. Thompson & Son Co., New Haven, Conn.
MILLER—D-C welding generators; carbon arc torches; A-C arc welders; D-C arc welders; engine driven arc welders; inert gas shielded arc welders; inert gas welders; spot welders and electrode holders, trailers, welder, transformer and resistance welding. Miller Electric Manufacturing Co., Appleton, Wis.
MILLER REACTANCE ARC—A-C electric arc welders. Miller Electric Mfg. Co., Inc., Appleton, Wis.
MILLERS FALLS—Hand tools. Millers Falls Co., Greenfield, Mass.
MILWAUKEE—Portable electric drills; sanders, grinders and hammers. Milwaukee Electric Tool Corp., Milwaukee, Wis.
MIMIT KOTE—Phosphating cleaner. Klem Chemicals, Inc., Dearborn, Mich.
MINUTE MAN—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
MINUTE MAN—Welding positioner. The du Mont Corp., Greenfield, Mass.
MIR-O-COL—Hard-facing welding rods and electrodes and automatic hardfacing wire. Mir-O-Col Alloy Co., Los Angeles, Calif.
MISCO—Oxygen, acetylene and generators. Mitchell Supply Co., Minneapolis, Minn.
MISCO HELPER—AC electric welders. Mitchell Supply Co., Minneapolis, Minn.
MISCO METAL—Sheets, plates, bars, welding rod, castings. Michigan Steel Casting Co., Detroit, Mich.
MISENER—Hole saws. Misener Manufacturing Co., Inc., Syracuse, N. Y.
MISSING LINK—High frequency arc stabilizer. Mid-States Equipment Co., Chicago, Ill.
MIXEND—Monel metal covered electrode. Arcos Corp., Philadelphia, Pa.
MODEL—Hose. Mulconroy Co., Philadelphia, Pa.
MODEL G—Pneumatic scaling hammers. Born Manufacturing Co., Elgin, Ill.
MODEL K—Portable motor driven cutting machine. Harris Calorific Co., Cleveland, Ohio.
MODEL T-11—Twin carbon torch. Twentieth Century Manufacturing Co., Minneapolis, Minn.
MODEL W-1—Electric brazing torch. Born Manufacturing Co., Elgin, Ill.
MODIC L—Cable connectors. Wagner Manufacturing Co., Inc., Jackson, Mo.
MOGUL—High speed steel. Jessop Steel Co., Washington, Pa.
MOGUL—Metal spraying equipment and metallizing wire. Metallizing Co. of America, Inc., Chicago, Ill.
MOLD-EASE PCR—Die lubricant. Merix Chemical Co., Chicago, Ill.
MOLEX—Coated arc welding electrode. Metal & Thermit Corp., New York, N. Y.
MOLY-C-ALLOY—Alloy steel electrode. Anthony Carlin Co., Cleveland, Ohio.
MOLY-IRON—Iron-molybdenum alloy. Weatherly Foundry and Manufacturing Company, Weatherly, Pa.
MOLY-NICKEL CAST IRON—Cast iron rod. Steel Sales Corp., Chicago, Ill.
MOLY-RODS—MOLY H—Alloy cast iron rods and for hard surfacing rods. Chicago Hardware Foundry Co., No. Chicago, Ill.
MO-MANG.—Welding rods and electrodes, American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
MONARCH—Chains. Bridgeport Chain & Mfg., The, Bridgeport, Conn.
MONARCH—Welding helmets and hand shields. Fibre-Metal Products Co., Chester, Pa.
MONARCH—Welding lens. Welding Engineering Corp., Milwaukee, Wis.
MONARCH—Cutting torch. Harris Calorific Co., Cleveland, Ohio.
MONEL—Nickel-copper alloy. The International Nickel Co., Inc., New York, N. Y.
MONEL-CLAD STEEL—Bi-metal plate composed of a layer of solid Monel bonded to a heavier backing plate of steel. Lukens Steel Co., Coatesville, Pa.
MONELITE—Goggles. Dockson Corp., Detroit, Mich.
MONEND 506—Welding electrode, electrodes for welding Monel. Arcos Corp., Philadelphia, Pa.
MONEY-MAKER—Welding and cutting equipment. Modern Engineering Co., Inc., St. Louis, Mo.
MONITOR—Portable oxy-acetylene cutting machine. The Linde Air-Products Co., New York, N. Y.
MONITOR—Wire wheel brushes. The Osborn Mfg. Co., Cleveland, Ohio.
MONITOR—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
MONO-BILT—Rotary wire wheel brush. The Milwaukee Brush Mfg. Co., Milwaukee, Wis.
MONO FIBRIK—Fire brick. Mexico Refractories Co., Mexico, Mo.
MONOFRAX—Fused cast refractories, block brick, special shapes. The Carborundum Co., Niagara Falls, N. Y.
MONOGRAPH—Oxy-acetylene shape cutting machine. Air Reduction Sales Co., Div., of Air Reduction Co., Inc., New York, N. Y.
MONOLINE—Fire brick plastic. Quigley Co., Inc., New York, N. Y.
MOORE—Trolleys. Chisholm-Moore Hoist Corp., Tonawanda, N. Y.
MO-REX—Fire brick. Mexico Refractories Co., Mexico, Mo.
MORAN'S—Belt couplings. Greene, Tweed & Co., New Wales, Pa.
MOREY—Fluxes, welding rods and electrodes. Morey Flux & Chemical Co., Wilmington, Del.
MORSE—Small cutting tools. Morse Twist Drill & Machine Co., New Bedford, Mass.
MOR-WELD—Arc welding electrode holders. Moorewood Electric & Mfg. Co., Los Angeles, Calif.
MOR-WELD—Welding rods, electrodes, welding accessories, etc. Morris Wheeler & Co., Inc., Philadelphia, Pa.
MOSLO—Equipment used in the manufacture of arc welding electrodes. Moslo Machinery Co., Cleveland, Ohio.
MOTO SAW—Portable electric jig saw. Dremel Manufacturing Co., Racine, Wis.
MOTO TOOL—Portable electric hand tool. Dremel Manufacturing Co., Racine, Wis.
MOTT—Weld-on plow points. Mott Products Co., Jackson, Mich.
MOULDOUGH—Backing up material. Metal Bond Mfg. Co., St. Louis, Mo.
MUEHLMATT—Drilling machines. The Hamilton Tool Co., Hamilton, Ohio.
MULLENBACH—Heliarc welding control panels, crater eliminators and industrial resistors. Mullenbach Elec. Mfg. Co., Los Angeles, Calif.
MULLFRAX—Refractories, cement, brick and special shapes. The Carborundum Co., Niagara Falls, N. Y.
MULSIRE—Metals and parts cleaner. Turco Products, Inc., Los Angeles, Calif.
MULSIREX—Metals and parts cleaner. Turco Products, Inc., Los Angeles, Calif.
MULTI-FLAME—Torch head. The Linde Air Products Co., New York, N. Y.
MULTI-FLEX—Carbon motor and generator brushes. Speer Carbon Co., St. Marys, Pa.
MULTI-HYDROMATIC—Spot; projection; butt; flash; gun; seam; multiple spot welders; jigs and fixtures. Multi-Hydromatic Welding & Manufacturing Co., East Detroit, Mich.
MULTI-MAX—Punch and shear combined. Parker Mfg. Co., Santa Monica, Calif.
MULTI-PIC—Weld scaling hammer. Bernard Welding Equipment Co., Chicago, Ill.
MULTI-MET—Cast or wrought heat-resistant alloy. Haynes Stellite Co., New York, N. Y.
MULTI-SEAT—Pressure regulator. Modern Engineering Co., Inc., St. Louis, Mo.
"MULTI-SPEED"—Multiple resistance welder. The Taylor- Winfield Corp., Warren, Ohio.
MULTI-STAGE—Gas pressure regulators. The Harris Calorific Co., Cleveland, Ohio.
MULTIPLE UNIT—Heavy treating furnaces. Hevi Duty Electric Co., Milwaukee, Wis.
MUREX—Arc welding electrodes. Metal and Thermit Corp., New York, N. Y.
MURINE—Eye drops. The Murine Co., Inc., Chicago, Ill.

N

N-A-X—High tensile, low alloy steel. Great Lakes Steel Corp. Div., National Steel Corp., Detroit, Mich.
N.B.O.—Steam and sand blast hose. The Home Rubber Co., Trenton, N. J.
NCG—Air liquefaction oxygen and nitrogen plants, monolithic filled acetylene cylinders, oxygen, acetylene, hydrogen, nitrogen, CO_2 gases, and welding and cutting equipment and supplies, gas and electric welding rods and flux, power operated cutting machines. National Cylinder Gas Co., Chicago, Ill.
NFA—Goggles. American Optical Co., Southbridge, Mass.
NMS—Tip cleaners. New Mexico Steel Co., Albuquerque, N. M.
N BOROLON—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.
NALCO—Aluminum flux and soldering flux. National Lead Co., New York, N. Y.
NAGELDINGER—Regulators, valves, torches. John Nageldinger & Sons, Inc., New York, N. Y.
NAPOLITAN—Flux for welding sheet aluminum. Air Reduction Sales Co., New York, N. Y.
NARCO—Fire brick and refractory cement. North American Refractories Co., Cleveland, Ohio
NASO—Goggles. American Optical Co., Southbridge, Mass.

NATIONAL—Electric spot, seam, flash, butt and projection welding machines. National Electric Welding Machines Co., Bay City, Mich.

NATIONAL—Motor generator brushes, carbon blocks and paste, carbon electrodes and refractories. National Carbon Div., Union Carbide and Carbon Corp., New York, N. Y.

NATIONAL—Calcium carbide and lights and lanterns. National Carbide Company, Div. of Air Reduction Co., Inc., New York, N. Y.

NATIONAL—Weld timer. National Time & Signal Corp., Detroit, Mich.

NATIONAL—Cylinders and steel pipe. National Tube Co., Div. of U. S. Steel Corp., Pittsburgh, Pa.

NATIONAL—Gas welding and flame cutting torches, regulators and welding accessories. National Welding Equipment Co., Ltd., San Francisco, Calif.

NATIONAL CYLINDER GAS—Air liquefaction oxygen and nitrogen plants, monolithic filled acetylene cylinders, oxygen, acetylene, hydrogen, nitrogen. CO_2 gases, and welding and cutting equipment and supplies, gas and electric welding rods and flux, power operated cutting machines. National Cylinder Gas Co., Chicago, Ill.

NATIONAL-INTERRUPTER TIMER—Regulating weld timer. National Cylinder Gas Co., Chicago, Ill.

NATIONAL SIX CUT-O-MATIC—Portable flame cutting machine. National Cylinder Gas Co., Chicago, Ill.

NATIONAL-TIMER—Welding timer. National Time & Signal Corp., Detroit, Mich.

NATIONAL TYPE R—Motor driven, electrically controlled oxy-acetylene shape cutting machine. National Cylinder Gas Co., Chicago, Ill.

NAVY—Screw gear hoist. David Round & Son, Cleveland, O.

NAWSUCO—Leather welder's clothing. National Welders Supply Co., Charlotte, N. C.

NEAT-N-NIFTY—Self soldering tape. W. B. Franklin Co., San Francisco, Calif.

NELSON—Arc stud welder. Nelson Stud Welding Div., Morton Gregory Corp., Lorain, Ohio.

NEMCO—Weld filler, plastic iron, cast iron weld and brazing flux and aluminum flux. Northeast Metals Co., Philadelphia, Pa.

NEOPHAN—Welding lens. Fish-Schurman Corp., New York, N. Y.

NEOTROL—Electric controls, weld-timers. Electric Controller and Mfg. Co., Cleveland, Ohio.

NEOTROL-COMPENSATING—Weld timer. The Electric Controller & Manufacturing Co., Cleveland, Ohio.

NEW-ARC—Bare and flux coated electrodes, helmets, cables, accessories and electric arc welding supplies. Electric Arc, Inc., Newark, N. J.

NEW DEAL—Arc welding hand shield. Welding Engineering Co., Milwaukee, Wisc.

NEW EASY—Cable and chain cutters. H. K. Porter, Inc., Somerville, Mass.

NEW ENGLAND—Acetylene, argon, hydrogen, oxygen, adapters, manifolds and flame hardening equipment. New England Gas Products, Inc., Boston, Mass.

NEW KATHODE—Mild steel, general purpose electrode. Lincoln Electric Co., Cleveland, Ohio.

NEW PROCESS—Hose. Mulconroy Co., Philadelphia, Pa.

NEWTON—Wooden mallets. Cortland Sales & Products, Inc., Cortland, Ohio.

NEW-WAY—Round file type spark lighter. Matchless Utilities Co., Brooklyn, N. Y.

NI-AN-CO—Welding flux. Sierra Welding Flux Co., Temple City, Calif.

NI-CASTWELD—Nickel, cast iron, welding rod. Steel Sales Corp., Chicago, Ill.

NI-RESIST—Cast iron welding rod. Chicago Hardware Foundry Co., North Chicago, Ill.

NI-ROD—Welding electrode. International Nickel Co., Inc., New York, N. Y.

NIAGARA—Automatic electronic welding machines. Niagara Machine & Tool Works, Buffalo, N. Y.

NIAGARA—Coated abrasives. The Carborundum Co., Niagara Falls, N. Y.

NICASTOX—Nickel cast iron welding rod. Central Steel and Wire Co., Chicago, Ill.

NICHOLSON—Files. Nicholson File Co., Providence, R. I.

NICHOLSON SUPERIOR—Files. Nicholson File Co., Providence, R. I.

NICHROME—Nickel-chromium alloy welding rod. Driver-Harris Co., Harrison, N. J.

NICKALLOY—Nickel electrode for welding cast iron. McKay Co., Pittsburgh, Pa.

NICKEL—Nickel forms such as sheet, plate, strip, tubing, rod or wire. The International Nickel Co., New York, N. Y.

NICKEL—Alloy steel. The Babcock & Wilcox Tube Co., Beaver Falls, Pa.

NICKEL-ARC—Electrodes, cast iron welding. Alloy Rods Co., York, Pa.

NICKEL-CLAD—Bi-metal plate composed of a layer of solid nickel bonded to a heavier backing plate of steel. Lukens Steel Co., Coatesville, Pa.

NICKELCHROMEWELD—Shielded arc electrode. The Lincoln Electric Co., Cleveland, Ohio.

NICKELEND—Electrodes for welding nickel. Arcos Corp., Philadelphia, Pa.

NICKELMANG—Welding electrode for welding manganese steels. Westinghouse Electric Corp., E. Pittsburgh, Pa.

NICKELOID METALS—Nickel plated steel. American Nickeloid Co., Peru, Ill.

NICKEL STEEL—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.

NICKEND "2"—Electrodes for welding nickel. Arcos Corp., Philadelphia, Pa.

NICKOX—Nickel steel rod. Central Steel & Wire Co., Chicago, Ill.

NICLOY—Tubing steels. The Babcock & Wilcox Tube Co., Beaver Falls, Pa.

NICO—Electrode for machine weld on cast iron. American Arc Welders, Inc., Roseau, Minn.

NICROBRAZ—Stainless steel high temperature brazing alloy. Wall Colmonoy Co., Detroit, Mich.

NICROMA—Oil hardening tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.

NICUEND—D-C, reverse-polarity electrode. Arcos Corp., Philadelphia, Pa.

NIKROMOX—Stainless steel flux. Canadian Liquid Air Co., Ltd., Montreal, Canada.

NILES 1—Fire clay brick. The Niles Fire Brick Co., Niles, Ohio.

NILES UTILITY—Silica cement. The Niles Fire Brick Co., Niles, Ohio.

9000—Arc torch. Mid-States Equipment Co., Chicago, Ill.

9DM2—Cutting tools. Haynes Stellite Co., New York, N. Y.

NI-ROD—Electrode for cast iron welding. International Nickel Co., Inc., New York, N. Y.

NI-ROD "55"—Electrode for cast iron welding. International Nickel Co., Inc., New York, N. Y

NIROSTA—Chrome-nickel stainless steels. Firth-Sterling Steel Co., McKeesport, Pa.

NIWELD—Cast iron welding. Crucible Steel Co. of America, New York, N. Y.

NO-BLOW—Blast tips. Eclipse Fuel Engineering Co., Rockford, Ill.

NO DUST—Pedestal grinder with dust collector. Hammond Machinery Builders, Inc., Kalamazoo, Mich.

NO-FOG—Liquid to prevent fogging, steaming and frosting of goggles and other glass surfaces. Also lens cleaning stations. Carhoff Co. Cleveland, Ohio.

NOGAS—Metal pickling agent. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.

NO-SPAT—Compound to prevent the adherence of spatter and oxide removing compound. Midland Paint and Varnish Co., Cleveland, Ohio.

NON-FLASH—Welding and cutting torches. Torchweld Equipment Division, National Cylinder Gas Co., Chicago, Ill.

NON-KINK—Welding hose. Boston Woven Hose & Rubber Co., Cambridge, Mass.

NON-PIT—Plastic coated glass lenses for helmets, shields and goggles. Eastern Equipment Co., Willow Grove, Pa.

NONOX SWEDOX—Low carbon welding rods. Central Steel and Wire Co., Chicago, Ill.

NONPARELL—Non-preformed wire rope. Hazard Wire Rope Div. of American Chain and Cable Co., Inc., Wilkes-Barre, Pa.

NORAMPRESS—Catalogs. The North American Press, Milwaukee, Wisc.

NORBIDE—Boron carbide abrasive. Norton Co., Worcester, Mass.

NORDSTROM—Plug valves. Merco Nordstrom Valve Co., Pittsburgh, Pa.

NORELCO—Contact welding electrode. North American Philips Co., Inc., New York, N. Y.

NORFLO—Electric and gas welding rod. Williams & Co., Inc., Pittsburgh, Pa.

NORFLOW—Electric welding wire. Williams & Co., Inc., Pittsburgh, Pa.

NORGREN—Hose coupling and fittings, hose, unions, tubing. J. N. Fauver Co., Inc., Detroit, Mich.

NORGREN—Regulating and reducing valves, relief valves, needle valves and cocks, hose couplings and fittings and other pneumatic products. C. A. Norgren Co., Denver, Colo.

NORTON—Abrasives used in grinding wheels for grinding and finishing welds, etc. Norton Co., Worcester, Mass.

NORTON—Jacks. Duff Norton Mfg. Co., Pittsburgh, Pa.

NORWELD—Copper coated wire or welding rod. Steel Sales Corp., Chicago, Ill.

NORWELD SPECIAL—Copper coated wire. Steel Sales Corp., Chicago, Ill.

NO-TANGLE NOTCH COILS—Brazing rings. Lucas-Milhaupt Energ. Co., Cudahy, Wis.

NOVIWELD—Glass for welding helmet and goggles. American Optical Co., Southbridge, Mass.

NOVIWELD-DIDYMIUM—Safety goggle lens. American Optical Co., Southbridge, Mass.

NOX-RUST—Rust preventive wrapping for metals and metal products. Nox-Rust Chemical Corp., Chicago, Ill.

NO. 15 CHROME NICKEL—Stainless steel electrode. Metal & Thermit Corp., New York, N. Y.

NO. 16 GH—Stainless steel welding flux. Victor Equipment Co., San Francisco, Calif.

NO. 22—Cast iron electrodes. Chicago Hardware Foundry Co., North Chicago, Ill.

NO. 42—Solvent cleaner. Metal cleaners. Wayne Chemical Products Co., Detroit, Mich.

NO. 302—Aluminum solder flux. Flux-All Chemical Prod., New York, N. Y.

NO. 907—Soldering flux and paste, tinning compounds. Flux-All Chemical Products, New York, N. Y.

NO. 1027—Soldering fluid. Flux-All Chemical Products, New York, N. Y.

NU-ARC—Transformer type welder. Electric Arc, Inc., Newark, N. J.

NUBON—Grinding and buffing wheels, shaping stones and mounted wheels and points. Universal Wheel & Abrasive Corp., Chicago, Ill.

NU-BRAZE—Silver brazing alloys. Sherman & Co., New York, N. Y.

NUCUT—American and Swiss pattern files, hand and machine. Heller Brothers Co., Newark, N. J.

NUMBERED STOODITES—Cast hard-facing rods. Stoody Co., Whittier, Calif.

NU-MOL—Power hack blades. E. C. Atkins & Co., Indianapolis, Ind.

NuSTEEL—Stainless steel cleaner. NuSteel Co., Chicago, Ill.

NU-TIP—Reconditioned resistance welding electrode. P. R. Mallory & Co., Inc., Indianapolis, Ind.

NU-WAY—Flame equipped spark lighter. Matchless Utilities, Brooklyn, N. Y.

NU-WRINKLE CAP—Cap type resistance welding electrode. P. R. Mallory & Co., Inc., Indianapolis, Ind.

NYDRA-CUT—Power hack saws. Peerless Machine Co., Racine, Wis.

NYE-UNIVERSAL—Pipe cutters wheels, etc. Collmer Bros., South Bend, Ind.

NYWSCO—Welding and cutting equipment and supplies. New York Welding Supply Co., New York, N. Y.

O

O-B—Rail bonds, electric arc welding machines, electrodes, electrode holders, helmets, face shields and accessories. Ohio Brass Co., Mansfield, Ohio.

O-B DUOWELD—Rail bonds. Ohio Brass Co., Mansfield, Ohio.

O-B DURON—Bare copper alloy electrode. Ohio Brass Co., Mansfield, Ohio.

O-B GAS WELDING ROD—Bare copper alloy filling rod. Ohio Brass Co., Mansfield, Ohio.

O-B TITON—Rail bonds. Ohio Brass Co., Mansfield, Ohio.

OK—Pedestal grinder. Hammond Machinery Builders, Inc., Kalamazoo, Mich.

OK—Wire, bolt, rod, chain and cable cutters. H. K. Porter Inc., Somerville, Mass.

O.K.I.—Goggles, helmets, chipping hammers. O.K.I. Welding Supply Co., Cincinnati, Ohio.

O.M.W.—Cutting machine. Ohmstede Machine Works, Beaumont, Texas.

OTC—Tools. Owatonna Tool Co., Owatonna, Minn.

OXCO—Oxygen and acetylene gases compressed in cylinders. Oklahoma Oxygen Co., Oklahoma City, Okla.

O-Z—Solderless lugs and connectors, heavy duty power connectors, corrosion resistant bolts, pounding fittings and welding terminal panels. O-Z Electrical Mfg. Co., Brooklyn, N. Y.

OAKITE COMPOSITIONS—Spatter preventatives. Oakite Products, Inc., New York, N. Y.

OAKITE COMPOUNDS—Rust removers. Oakite Products, Inc., New York, N. Y.

OAKITE SPECIAL PROTECTIVE OIL—Rust preventive. Oakite Products Co., Inc., New York, N. Y.

OBALLOY—Signal bonds. Ohio Brass Co., Mansfield, Ohio.

OBERG—American pattern hand and machine files and milled and curved tooth. Sandvik Saw & Tool Corp., New York, N. Y.

OCCO—Soldering flux. Ohio Carbon Co., Cleveland, O.

OCTOPUS—Welding fume exhauster. Chelsea Fan & Blower Co., Inc., Irvington, N. J.

OCTOPUS JR.—Portable exhauster and blower. Chelsea Fan and Blower Co., Inc., Irvington, N. J.

OHIO—Bolts, nuts, brackets and kindred fastening devices. The Ohio Nut & Bolt Co., Berea, Ohio.

OHIO—Motor and generator brushes. Ohio Carbon Co., Cleveland, Ohio.

OHIO M—Composition and wire wound resistors. Ohio Carbon Co., Cleveland, Ohio.

OHIO QUALITY—Seamless and electric welded steel tubing. The Ohio Seamless Tube Co., Shelby, Ohio.

OHMITE—Resistance coils, rheostats, switches and similar equipment. Ohmite Mfg. Co., Chicago, Ill.

OIC—Valves. The Ohio Injector Co., Wadsworth, Ohio.

OKOCORD—Rubber-sheathed portable cable for electrical welding equipment. The Okonite Co., Passaic, N. J.

OKONITE—Rubber splicing tape. The Okonite Co., Passaic, N. J.

OLD FORGE—Chisels, pneumatic and hand; punches; hand tools and tool handles. Quality Tools Corp., New Wilmington, Pa.

OLD HICKORY—Welder's protective clothing. Industrial Gloves Co., Danville, Ill.

OLYMPIC BRONZE—Silicon bronze. Chase Brass & Copper Co., Waterbury, Conn.

OMICRON—Steel tape beam compasses for layout work. The Omicron Co., Glendale, Calif.

ONE LINE—Welding hose. Eastern Equipment Co., Willow Grove, Pa.

"130-X" MONEL—Electrode for welding monel. International Nickel Co., Inc., New York, N. Y.

"134" K MONEL—Electrode for welding "K" monel. International Nickel Co., Inc., New York, N. Y.

"140" MONEL—Electrode for welding monel to steel. International Nickel Co., Inc., New York, N. Y.

OPTIMUS—Pre-cleaner and deoxidizer. Optimus Detergents Co., Matawan, N. J.

ORANGE-STRIPE—Garnet papers and cloths. Clover Manufacturing Co., Norwalk, Conn.

OREGON—Fire hose. The Home Rubber Co., Trenton, N. J.

OSAGE—Hard-facing rods. Osage Metal Co., Oklahoma City, Okla.

OSBORN—Industrial brushes suitable for weld cleaning operations. Osborn Mfg. Co., Cleveland, Ohio.

OSTUCO—Seamless and electric welded steel tube. The Ohio Seamless Tube Co., Shelby, Ohio.

OVAL CAP—Flint equipped spark lighter. Matchless Utilities Co., Brooklyn, N. Y.

OVERLY—Pneumatic tools for grinding, brushing, sanding, buffing, etc. Charles F. Overly Co., Cleveland, Ohio.

OVERSPEC—Safety and welding goggles. Harry Buegeleisen Inc., Brooklyn, N. Y.

OVER TANG—Surfacing file holder. Remont Mfg. Co., Lombard, Ill.

OWEN—Induction type arc welder. Owen Electric Co., Fayetteville, N. C.

OXALUMA—Grinding wheels and abrasive products. Cortland Grinding Wheels Corp., Chester, Mass.

OXO—Oxygen acetylene, propane and other gas regulators, protective lens and welding goggles. Oxo Welding Equipment Co., Chicago, Ill.

OXWELD—Welding, cutting and metal-treating apparatus, welding rods and supplies. The Linde Air Products Company, New York, N. Y.

OXYCUTTER—Arc-oxygen cutting electrodes. Arcos Corp., Philadelphia, Pa.
OXYGRAPH—Oxy-acetylene cutting machine. The Air Reduction Sales Co., New York, N. Y.
OXYSTAIN—Welding flux. Sierra Welding Flux Co., Temple City, Calif.

P

PF—Mild steel A-C—D-C electrode. Harnischfeger Corp., Milwaukee, Wis.
P&H—Welding equipment including motor driven D-C welders, welding positioners, a production welding control system, electric hoists and cranes, and accessories. Harnischfeger Corp., Milwaukee, Wis.
P-H—Welding cables. Progressive Welder Company, Detroit, Mich.
PKCO—Welding electrodes. Pelton-Kurtz Supply Co., Detroit, Mich.
PQ SILICATE OF SODA—Silicate of soda. Philadelphia Quartz Co., Philadelphia, Pa.
PWC—Arc welding, resistance welding & power cables. The Plastic Wire & Cable Corp., Jewitt City, Conn.
PAASCHE—Air-painting equipment. Paasche Airbrush Co., Chicago, Ill.
PACKLESS—Air control valves. Hannifin Corp., Chicago, Ill.
PACIFIC—Welding electrodes. Pacific Welding Alloys Mfg. Co., Los Angeles, Calif.
PACIFIC—Calcium carbide. Pacific Carbide & Alloys Co., Portland, Ore.
PACO—Oxygen and acetylene. Pacific Acetylene Co., San Francisco, Calif.
PADDLE HOLDER—Resistance welding electrode holder. P. R. Mallory & Co., Inc., Indianapolis, Ind.
PAGE—Gas welding wire and rods and bare and flux coated electrodes. Page Steel and Wire Div., American Chain and Cable Co., Inc., Monessen, Pa.
PAGE-ALLEGHENY—Stainless steel electrodes and gas welding rods. Page Steel and Wire Division, American Chain and Cable Co., Monessen, Pa.
PAGE-ARMCO—Welding electrodes and gas welding wires. Page Steel and Wire Division, American Chain and Cable Co., Inc., Monessen, Pa.
PAINTMARX—Metal marking crayons. The American Crayon Co., Sandusky, Ohio.
PAK-KUT—Oxy-acetylene emergency portable cutting outfit. National Welding Equipment Co., Ltd., San Francisco, Calif.
PAL-WELD—Tinning and soldering fluxes and compounds, solders, soldering equipment, etc. Pal-Weld Mfg. Co., Seattle, Wash.
PALCO—Packing. Greene, Tweed & Co., New Wales, Pa.
PALMGREN—Rapid cable connectors, underwater cutting torches and electrode holders, weld gauges, drill press machinist and hand vises and hose clamps and tools. Chicago Tool and Engineering Co., Chicago, Ill.
PALMER-SHILE—Cylinder truck. Palmer-Shile Co., Detroit, Mich.
PALMETTO—Safety and asbestos clothing. Greene, Tweed & Co., North Wales, Pa.
PALMETTO G-T—Ring Packing. Greene, Tweed & Co., North Wales, Pa.
PALMETTO PYRAMID—Molded Packing. Greene, Tweed & Co., North Wales, Pa.
PANAMA—Fire hose. The Home Rubber Co., Trenton, N. J.
PANURAM—Chipping goggles. American Optical Co., Southbridge, Mass.
PARIFLUX—Fluorspar. Foote Mineral Co., Philadelphia, Pa.
PARKER-KALON—Drive-screw, also welding studs. Parker-Kalon Corp., New York, N. Y.
PARMELEE—Pipe wrench. Walworth Co., New York, N. Y.
PARTEK—Inspection equipment. Magnaflux Corp., Chicago, Ill.
PEARLITE—Carburizer. E. F. Houghton & Co., Philadelphia, Pa.
PEARLITIC—Iron welding rods. Morey Flux & Chemical Co., Wilmington, Del.
PEER—Resistance welding equip. Peer, Inc., Benton Harbor, Mich.
PEERLESS—Hoists. The Harrington Co., Philadelphia, Pa.
PELRO—Packing. Greene, Tweed & Co., North Wales, Pa.
PENN—Bronze welding rods. Titan Metal Mfg. Co., Bellefonte, Pa.
PENN BRONZE—Deoxidized bronze welding rods. Titan Metal Mfg. Co., Bellefonte, Pa.
PENNYPINCHER—Bench vises. Columbian Vise & Mfg. Co., Cleveland, Ohio.
PENOPTIC—Welding, cover and safety lenses. Pennsylvania Optical Co., Reading, Pa.
PENSY UNITEX—Firebrick. Quigley Co., Inc., New York, N. Y.
PERFECT BALANCE—Wire wheels. Pittsburgh Plate Glass Co., Baltimore, Md.
PERFECT WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.
PERFECTION—Welding ground clamp. Tweco Products Co., Wichita, Kan.
PERFECTION—Coated welding electrodes. Anthony Carlin Co., Cleveland, Ohio.
PERFECTION—Bar clamp. Cincinnati Tool Co., Norwood, Cincinnati, Ohio.
PERLITON—Liquid carburizer. E. F. Houghton & Co., Philadelphia, Pa.
PERMACLAD—Stainless clad sheet steel. Jessop Steel Co., Washington, Pa.
PERMALATEM—Welding and brazing rods, electrodes, fluxes and alloys. Permalatem Welding Alloys Co., Neptune, N. J.
PERMALOY—Gas welding and brazing rod. Permalatem Welding Alloys Co., Neptune, N. J.
PESCO—Copper welding rods and fluxes. Perry Equipment Corp., Philadelphia, Pa.
PETERSON—Preheating torches, surface grinders and welding fluxes. Peterson Welding Laboratories, Kansas City, Mo.
PHIL-KON B—Heat treated copper base alloys. Philadelphia Bronze & Brass Corp., Philadelphia, Pa.
PHILGAS—Liquefied petroleum gas. Phillips Petroleum Co., Detroit, Mich.
PHILLSOLV—Vapor degreasing solvent. Phillips Manufacturing Co., Chicago, Ill.
PHOMAIRE FOAM MAKER—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PHOMAIRE FOAM PROPORTIONING TANK—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PHOMENE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PHOMENE FOAM RECHARGE—Fire extinguisher recharges. Pyrene Manufacturing Co., Newark, N. J.
PHOMAIDE FOAM FORMING SOLUTION—Fire extinguisher recharges. Pyrene Manufacturing Co., Newark, N. J.
PHOMAIRE PLAYPIPE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PHOS-COPPER—Copper alloy. Westinghouse Electric Corp., East Pittsburgh, Pa.
PHOSCO—Low temperature brazing alloy. United Wire & Supply Corp., Providence, R. I.
PHOSPHORUS BRONZE 510 and 903—Welding rods. American Brass Co., Waterbury, Conn.
PHO-SON—Low temperature brazing alloy. United Wire & Supply Corp., Providence, R. I.
PHOS-TRODE—Shielded arc phosphor bronze electrode. Carbon and metallic arc welding electrodes. Ampco Metals, Inc., Milwaukee, Wis.
PHOSTUBE No. 4—Phosphor-copper brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.
PHOTOLOGUE—Welding catalogs, photo-offset catalogs. Photologue Publishing Co., Chicago, Ill.
PHOTOSWITCH—Welding timer. Photoswitch, Inc., Cambridge, Mass.
PHOTOVOLT—Electric timer. Photovolt Corp., New York, N. Y.
PICKER—X-ray equipment and X-ray generators. Picker X-Ray Corp., New York, N. Y.
PICKLE OFF—Spatter preventive. Thompson & Co., Oakmont, Pa.
PICKLE ON—Spatter preventive. Thompson & Co., Oakmont, Pa.
PIER—Resistance welding equip. Peer, Inc., Benton Harbor, Mich.
PIERCE—Governor for controlling the speeds of gasoline driven electric welders. Pierce Governor Co., Anderson, Ind.
PILOT-ARC—High frequency unit. Tri-Arc Corp., Chicago, Ill.
PILOTEND—Steel burner. Eclipse Fuel Eng. Co., Rockford, Ill.
PIONEER—Electrode holder and cable connectors. Detroit Electrode Holder Mfg. Co., Detroit, Mich.
PIPETITE—Pipe joint compound in stick form. Lake Chemical Co., Chicago, Ill.
PISTONAIR—Hoists. Joy Mfg. Co., Pittsburgh, Pa.
PITTSBURGH—Transformers. Allis Chalmers Mfg. Co., Milwaukee, Wisc.
PITTSBURGH—Valves for oxygen, hydrogen, carbon dioxide, and other high pressure cylinders. Kerotest Manufacturing Co., Pittsburgh, Pa.
PITTSBURGH—Welding rods and wire. Pittsburgh Steel Co., Pittsburgh, Pa.
PLANEWELD—Welding rod electrode. The Lincoln Electric Co., Cleveland, Ohio.
PLANOGRAPH—Oxy-acetylene cutting machine. Air Reduction Sales Co., New York, N. Y.
PLASTALLOY—Alloy mold steel for plastic molds. Henry Disston & Sons, Inc., Philadelphia, Pa.
PLASTI-GLASS—Shatter-resisting, chip-proof lens for oxygen and acetylene pressure gauges. Plasti-Glass Products Co., Chicago, Ill.
PLASTI-GOGGLE—Welder's and industrial worker's goggle. Eastern Equipment Co., Willow Grove, Pa.
PLASTI-GRIP—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co., Harrisburg, Pa.
PLASTIKUT—Alloy mold steel for plastic molds. Henry Disston & Sons, Inc., Philadelphia, Pa.
PLASTIRON—Hubbing iron for plastic molds. Henry Disston & Sons, Inc., Philadelphia, Pa.
PLENUM—Supplied air systems for welding helmets. Fibre-Metal Prod. Co., Chester, Pa.
PLIBRICO—Plastic fire brick. Plibrico Jointless Firebrick Co., Chicago, Ill.
PLUMB—Files, blacksmith and scaling hammers. Fayette R. Plumb, Inc., Philadelphia, Pa.
PLUMBER KRAK-STIK—Sealing cement in stick form. Lake Chemical Co., Chicago, Ill.
PLUMB LEADER—Machinist's hammers. Fayette R. Plumb, Inc., Philadelphia, Pa.
PLURALLOY—Low hydrogen electrode. McKay Co., Pittsburgh, Pa.
PLURAMELT—Stainless clad steel. Allegheny Ludlum Steel Corp., Brackenridge, Pa.
PLY—Protective skin creams. Milburn Co., Detroit, Mich.
PLYKROME—Stainless-clad steel. Plykrome Corp., New York, N. Y.
PLYMOUTH—Bench and floor grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
PNEUMATRACTOR—Tractor-compressor. Schramm, Inc., West Chester, Pa.
POGO—Resistance welder cable testers. Myron Zucker Engrg. Co., Detroit, Mich.
POLYGRAPH—Oxy-acetylene cutting machine. Air Reduction Sales Company, New York, N. Y.
POLY-KOTE—Rust preventative. Kelite Products, Inc., Los Angeles, Calif.
PONY—Steel bar clamp and malleable iron "C" clamps made in various styles and designs. Adjustable Clamp Co., Chicago, Ill.
POR-OS-WAY—Plastic grinding wheels. A. P. DeSanno & Son, Inc., Phoenixville, Pa.
PORT-A-WELD—Portable welding units. Gollid Engineering, Oak Park, Ill.
PORTAIR—Blowers. Coppus Engineering Corp., Worcester, Mass.
PORTELVATOR—Portable elevating tables. The Hamilton Tool Co., Hamilton, Ohio.
PORTER-CABLE—Belt grinders. The Porter-Cable Machine Co., Syracuse, N. Y.
PORTO-POWER—Pipe benders. Blackhawk Mfg. Co., Milwaukee, Wis.
PORTO-SHEAR—Portable electric shears. The Black & Decker Mfg. Co., Towson, Md.
PORTO-SHEAR—Portable electric shears. Van Dorn Electric Tool Co., Towson, Md.
PORTOVENT—Ventilating hose. American Ventilating Hose Co., New York, N. Y.
POSITIVE ARC—A-C transformer type welder. Welding Apparatus Co., Chicago, Ill.
POWER-FLEX—Flexible shaft machine. Dumore Co., The, Racine, Wisc.
POWER HOUSE—Welder. Patent Specialties, Inc., Miami, Fla.
POWERON—Nozzles. American-La France Foamite Corp., Elmira, N. Y.
POWER-TWIN—Hydraulic pullers. Owatonna Tool Co., Owatonna, Minn.
POWDER WELD—Alloys, powder welding, silver brazing, blow pipes brazing, brazing alloys and brazing outfits, gas machings, brazing gas, metal spraying equipment, nozzles, torch, powder welding torches, soldering outfits, tips, soldering tips, welding, gas, torches, brazing, torches, welding, gas welders, inert gas, welders, projection, welding apparatus. The Powder Weld Process Co., Brooklyn, N. Y.
POWRARM—Welding positioners. Wilton Tool Manufacturing Co., Chicago, Ill.
PRATT & CADY—Bronze and iron valves. R-P & C Valve Div. of American Chain & Cable Co., Inc., Reading, Pa.
PRE-INSULATED—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co., Harrisburg, Pa.
PRECISION—Resistance welding machines. Precision Welder and Machine Company, Cincinnati, Ohio.
PRECISION—A-C arc welders. Precision Welder Mfg. Co., Chicago, Ill.
PREMIER—Welding and cutting outfits. Burdett Oxygen Co., Cleveland, Ohio.
PREMIER—Welding wire. American Steel & Wire Co., Cleveland, Ohio.
PREPO—Torch and fuel. Pressure Products Corp., Chicago, Ill.
PRESSURE BREAKER—Attachment for single-stage regulator to convert it into a 2-stage type. K-G Welding & Cutting Co., Inc., New York, N. Y.
PRESTO—Helmet headband adjustment. Sellstrom Manufacturing Co., Chicago, Ill.
PREST-O-LITE—Acetylene, air-acetylene equip., cylinders. The Linde Air Products Co., New York, N. Y.
PREST-O-WELD—Welding, cutting and metal-treating apparatus. The Linde Air Products Co., New York, N. Y.
PRESIVE—Welding positioner. Bryant Products Distributing Co., Jackson, Mich.
PRESS-RITE—Power presses. Sales Service Machine Tool Co., St. Paul, Minn.
PRESSTITE—Spotweld sealers. Presstite Engineering Co., St. Louis, Mo.
PRESSTITE No. 261—Weld thru sealer. Presstite Engineering Co., St. Louis, Mo.
PRIMUS—Kerosene burners, soldering irons, blow and brazing torches. Sandvik Saw & Tool, New York, N. Y.
PROCESSED—Mild steel electrode. Champion Rivet Co., Cleveland, O.
PROCESS K—Metal cleaner. Kelite Products, Inc., Los Angeles, Calif.
PROCESS K-1-8—Metal Cleaner. Kelite Products, Inc., Los Angeles, Calif.
PRODUCTER—Positioner. Bentley Weldery, Inc., Syracuse, N. Y.
PROPELLAIR—Exhaust fans. Robbins & Myers, Inc., Springfield, Ohio.
PRO-CLAMP—Weldors' protector clamp. Bernard Welding Equip. Co., Chicago, Ill.
PROTECTED ARC—Electrodes. Hollup Corporation, Division of National Cylinder Gas Co., Chicago, Ill.
PROTECTIVE COAT—Liquid preparation which prevents weld spatter adhesion. Hollup Corp., Division of National Cylinder Gas Co., Chicago, Ill.
PROTECTOGLO—Combustion safeguard equipment. Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
PRO-TECTO-CAPE—Welder's chrome leather safety clothing. Eastern Equipment Co., Willow Grove, Pa.
PROTECT-O-METAL No. 8—Rust preventive. G. W. Smith & Sons, Inc., Dayton, Ohio.
PROTECT-O-METAL—Arc welding compound. G. W. Smith & Sons, Dayton, Ohio.
PROTECT-O-METAL No. 2—Spatter preventive. G. W. Smith & Sons, Dayton, Ohio.
PROTECT-O-METAL No. 7—Flash preventive. G. W. Smith & Sons, Dayton, Ohio.
PROTECT-O-METAL No. 9—Rust preventive. G. W. Smith & Sons, Inc., Dayton, Ohio.
PROTECTOR—Germicidal lamp units. C-B Tool Co., Lancaster, Pa.
PROTECT-O-VANE—Pyrometers. Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.
PRO-TEK—Protective cream. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
PROTEX—Rust preventives. Wayne Chemical Products Co., Detroit, Mich.
PUDDLER—Soldering tip. Cesco Products, Inc., Chicago, Ill.
PUL-LIFT—Ratchet lever hoist. The Yale & Towne Mfg. Co., Philadelphia, Pa.

PULMOSAN—Respirators, shield-respirators, welding helmets, goggles, welders' gloves, eyeshields, acid-handling equipment, and protective clothing. Pulmosan Safety Equipment Corp., Brooklyn, N. Y.
PURDUE—Electrode holder. Purdue Mfg. Co., Chicago, Ill.
PURE—Block and paste carbon and carbon electrodes. Pure Carbon Co., Inc., St. Marys, Pa.
PURETUNG—Tungsten welding electrodes. Tungsten & Chem. Div. of Sylvania Elec. Prod. Inc., Towanda, Pa.
PURITAN—Oxygen, hydrogen, acetylene, gases, electric welders, acetylene generators, welding and cutting equipment, welding rods, electrodes, fluxes, pre-heating outfits, pressure gauges. Puritan Compressed Gas Corp., Kansas City, Mo.
PURITAN PM-20—Oxygen masks. Puritan Compressed Gas Corp., Kansas City, Mo.
PURITY—Flux. Purity Cylinder Gases, Inc., Grand Rapids, Mich.
PUR-METL—Flux or bronze welding cast iron. Pratt-Brayman Mfg. Co., Oscoda, Mich.
PUROX—Welding, cutting and metal-treating apparatus, liquid gas and vacuum containers. The Linde Air Products Co., New York, N. Y.
PYRAMID—Babbitt metals. Magnolia Metal Co., Elizabeth, N. J.
PYRENE—Tire chains, self-closing repair links, emergency chains and chain tighteners. Pyrene Manufacturing Co., Newark, N. J.
PYRENE ANTI-FREEZE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM-AUTOMATIC—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM COMPOUND—Fire extinguisher recharges. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM MAKER—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM-MARINE TYPE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM PLAYPIPE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM PROPORTIONING TANK—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FOAM RECHARGE—Fire extinguisher recharges. Pyrene Manufacturing Co., Newark, N. J.
PYRENE FREEZE-PROOF CHARGE—Fire extinguisher recharger. Pyrene Manufacturing Co., Newark, N. J.
PYRENE GARDESEAL—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE PUMP TANK—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE SODA-ACID—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE SODA-ACID RECHARGE—Fire extinguisher recharger. Pyrene Manufacturing Co., Newark, N. J.
PYRENE VAPORIZING LIQUID—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYRENE WATER-TYPE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
PYREPEL—Fire Retardant. Quaker Chemical Product Corp., Conshohocken, Pa.
PYREX—Heat resisting glasses. Corning Glass Works, Corning, N. Y.
PYRO—Gas lighter. Safety Gas Lighter Co., Lynn, Mass.
PYROFAX—Hydrocarbon fuel gas. The Linde Air Products Co., New York, N. Y.
PYROMASTER—Indicating and recording Pyrometer. The Bristol Co., Waterbury, Conn.
PYR-O-VANE—Pyrometers. Minneapolis-Honeywell Regulator Co., Philadelphia, Pa.

Q

QUAKER—Welding and sand blast hose. Quaker Rubber Co., Philadelphia, Pa.
Q-CHROME—High temperature refractory cements. Quigley Co., Inc., New York, N. Y.
Q-CHROMASTIC—Refractories. Quigley Co., Inc., New York, N. Y.
QUELARC—Plugs and receptacles. Pyle-National Co., Chicago, Ill.
QIKLINK—Cable splice. Burndy Engineering Co., Inc., New York, N. Y.
QIKLUG—Cable Terminal. Burndy Engineering Co., Inc., New York, N. Y.
QIKTAP—Cable tee connector. Burndy Engineering Co., Inc., New York, N. Y.
QUA-FLEX—Fire hose. Quaker Rubber Corp., Philadelphia, Pa.
QUAKERDID—Fibre sheet. Quaker Rubber Corp., Philadelphia, Pa.
QUEEN—Bench and floor grinders. Clithe Bros. Mfg. Co., Plymouth, Ind.
QUICK AID FIREGUARD—Fire extinguishers. The General Detroit Corp., Detroit, Mich.
QUICK AID FIRE HOSE—Fire hose. General Detroit Corp., Detroit, Mich.
QUICK-AS-WINK—Air and hydraulic control valves and couplings. C. B. Hunt & Sons, Inc., Salem, Ohio.
QUICK-LIFT—Electric hoist. Coffing Hoist Co., Danville, Ill.
QUICK-SAW—Portable electric saws. The Black & Decker Mfg. Co., Towson, Md.
QUICK-WEDGE—Screw-holding screw drivers. Kedman Co., Salt Lake City, Utah.
QUICKWORK—Rotary shear. Whiting Corp., Harvey, Ill.
QUIK-TRIK—Electrode holder. Jackson Products, Detroit, Mich.

R

R&IE—Clamps. Railway and Industrial Engineering Co., Greensburg, Pa.
R&M—Hoists, cranes, winches. Robbins & Myers Inc., Springfield, O.
RD—Floodlights. Benjamin Electric Mfg. Co., Des Plaines, Ill.
RLM STREAM FLO 40—Inspection equipment, fluorescent ltg. Benjamin Electric Mfg. Co., Des Plaines, Ill.
RLM SHIELD-FLO 40—Inspection equipment, fluorescent ltg. Benjamin Electric Mfg. Co., Des Plaines, Ill.
RLM STREAM-FLO 100—Inspection equipment, fluorescent ltg. Benjamin Electric Mfg. Co., Des Plaines, Ill.
RLM TWIN-FLO 100—Inspection equipment, fluorescent ltg. Benjamin Electric Mfg. Co., Des Plaines, Ill.
RLM TX-40—Inspection equipment, fluorescent ltg., Benjamin Electric Mfg. Co., Des Plaines, Ill.
R-M—Asbestos products and rubber products. Raybestos-Manhattan, Inc., Passaic, N. J.
R & M—Cranes, fans, hoists. Robbins & Myers, Inc., Springfield, Ohio.
R, P & C—Valves. Reading, Pratt & Cady Valve Div., American Chain & Cable Co., Inc., Reading, Pa.
R MONEL—High-carbon Monel. The International Nickel Co., Inc., New York, N. Y.
RABBIT—Swiss precision files. Grobet File Co. of America, Inc., New York, N. Y.
RABIN—Welders' gloves. Rabin Glove Co., Jersey City, N. J.
RACINE—Hydraulic pumps, pressure boosters and valve. Racine Tool & Machine Co., Racine, Wis.
RACO—Carbon steel electrodes for manual and automatic welding. Reid Avery Co., Dundalk, Baltimore, Md.
RACOLLOY—Stainless steel electrodes and gas welding wire. Reid Avery Co., Dundalk, Baltimore, Md.
RAD-ARC—A-C, arc conversion unit. Cesco Products, Inc., Chicago, Ill.
RADIAC—Grinding wheels and abrasive cutoff machines. A. P. DeSanno & Son, Inc., Phoenixville, Pa.
RADIAGRAPH—Portable, motor driven, oxy-acetylene cutting machine. Air Reduction Sales Co., New York, N. Y.
RADIANT SPATTERPROOF—Welding lamp. Radiant Lamp Corp., Newark, N. J.
RAILENDER—Hard-facing electrode. The Champion Rivet Co., Cleveland, Ohio.
RAILFACE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
RAILWEAR—Heavily coated electrodes. Hollup Corporation, Division of National Cylinder Gas Co., Chicago, Ill.
RAMET—Carbide. Vascoloy-Ramet Corp., Waukegan, Ill.
RANALLOY—Alloy hard-facing electrodes. The Bergstrom Alloys Corp., Reno, Nev.
RANDALL—Tip cleaner and spark lighters. Welding & Cutting Materials Co., Kansas City, Mo.
RANDALL—Soap stone holder, tip cleaner and electrode holder. Randall Manufacturing Co., North Kansas City, Mo.
RANDOLPH—Fire extinguishers. Randolph Laboratories, Inc., Chicago, Ill.
RANGER—A-C arc welder. Larkin Lectro Products Co., Pine Bluff, Ark.
RANITE—Hard-facing welding rod. Rankin Mfg. Co., Los Angeles, Calif.
RANITE A—Hard-facing electrode. Rankin Mfg. Co., Los Angeles, Calif.
RANITE No. 4 ACETYLENE—Hard surfacing welding rod. Rankin Mfg. Co., Los Angeles, Calif.
RANSOME—Welding positioners, turning rolls. Ransome Machinery Company, subsidiary Worthington Pump and Machinery Corp., Dunellen, N. J.
RAPID—Cable and terminal connections. Chicago Tool and Engineering Co., Chicago, Ill.
RAPID-TITAN—C clamps, jigs and fixtures. Rapid-Titan Manufacturing Co., Grand Rapids, Mich.
RAY-BAN—Glare protection lens. Bausch & Lomb Optical Co., Rochester, N. Y.
RAYTHEON—Electronic tubes for use in welding controls, miniature spot welders. Raytheon Mfg. Corp., Waltham, Mass.
READING—Steel valves and fittings. R-P & C Valve Div. of American Chain Cable Co., Inc., Reading, Pa.
READY-FLOW—Silver brazing alloy. American Platinum Works, Newark, N. J.
RECK-RACK—Welding positioner. Blackhawk Mfg. Co., Milwaukee, Wis.
RD-ARROW—Vises. Columbian Vise & Mfg. Co., Cleveland, Ohio.
RED CENTER—Wire wheels. Pittsburgh Plate Glass Co., Baltimore, Md.
RED COAT—Coated abrasives. Michigan Abrasive Co., Detroit, Mich.
RED DEVIL—Flux coated electrodes. The Champion Rivet Co., Cleveland, Ohio.
RED DEVIL 75—Flux coated electrodes. The Champion Rivet Co., Cleveland, Ohio.
REDDY—Grinder. The United States Electrical Tool Co., Cincinnati, Ohio.
RED END—Folding wood rules. The Lufkin Rule Co., Saginaw, Mich.
RED END—Hack saw blades. Simonds Saw & Steel Co., Fitchburg, Mass.
RED FLASH—Fluxes. Arc Welding Supply Co., Bronx, N. Y.
RED HEAD—Chain Pipe Vises. Billings and Spencer Co., Hartford, Conn.
RED HEAD—Welding "C" clamps, tanks and welded metal products. Chicago Boiler Co., Chicago, Ill.
RED HEAD—Acetylene generators, low pressure. Harris Calorific Co., Cleveland, Ohio.
RED HEAD—Wood mallets. O. P. Link Handle Co., Salem, Ind.
RED-ROD—Steel welding electrodes. Marquette Manufacturing Co., Inc., Minneapolis, Minn.
RED SHIELD—Twist drills and reamers. Standard Tool Co., Cleveland, O.
RED STREAK—Circular metal saws. Simonds Saw & Steel Co., Philadelphia, Pa.
RED TANG—Files. Simonds Saw & Steel Co., Fitchburg, Mass.
RED STRIPE—Emery cloth. Clover Manufacturing Co., Norwalk, Conn.
REED—Jigs, fixtures, welding jigs, pipe welding machines, cutting, flame positioners, welding, rolls and turning bending, welders, seam. Reed Engineering Co., Carthage, Mo.
REED—Vises. Reed Manufacturing Co., Erie, Pa.
REFLECTOSCOPE—Ultrasonic flaw detector. Sperry Products, Inc., Danbury, Conn.
REFLECTOGAGE—Ultrasonic thickness gage. Sperry Products, Inc., Danbury, Conn.
REFORMED—Covered steel electrode. Arcos Corp., Philadelphia, Pa.
REFRAX—Refractories, bricks and special shapes. The Carborundum Co., Niagara Falls, N. Y.
REGO—Welding and cutting apparatus, including torches, regulators, welding fluxes, welding rods, electrodes, accessories and supplies. National Cylinder Gas Co., Chicago, Ill.
REGO—Oxygen, acetylene, hydrogen manifolds and regulators, air regulators, medical oxygen therapy regulators and cylinder valves. The Bastian-Blessing Co., Chicago, Ill.
REGOLATOR—Two-stage regulators. The Bastian-Blessing Co., Chicago, Ill.
REHEAT—Asbestos sheet. Quaker Rubber Corp., Philadelphia, Pa.
REINER—Portable acetylene generator. Reiner and Campbell, Elizabeth, N. J.
RELATRUL BALANCER—Proportioning relay. Automatic Temperature Control Co., Inc., Philadelphia, Pa.
RELIABLE—Screw plate sets. Mayhew Steel Products, Inc., Shelburne Falls, Mass.
RELIEF—Fire hose. Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio.
RELTOOL—Cutting tools. Reltool Corp., Milwaukee, Wis.
REMONT—File holder. Remont Mfg. Co., Lombard, Ill.
REMOTROL—Remote controlled hydraulic rams. Templeton, Kenly & Co., Chicago, Ill.
REP—Fluxes, soldering. Puritan Compressed Gas Co., Kansas City, Mo.
REPEATER-BRUSH—Weld cleaning hammer. Bernard Welding Equipment Co., Chicago, Ill.
REPUBLIC—Sand blast, steam, dual line welding hose and ventilating and rubber mallets. Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio.
REPUBLIC—Steel and electric welded pipes, casing, tubing, etc. Republic Steel Corp., Cleveland, Ohio.
REPUBLIC DOUBLE STRENGTH—Copper nickel molybdenum high tensile steel. Republic Steel Corp., Cleveland, Ohio.
RESBOND—Coated abrasive. Clover Manufacturing Co., Norwalk, Conn.
RESINAL—Cloth belts. Behr-Manning Corp., Troy, N. Y.
RESISTAL—Chipping goggles. Harry Buegeleisen, Inc., Brooklyn, N. Y.
RESISTO-LOY—Hard surfacing metal. Resisto-Loy Co., Grand Rapids, Mich.
RETORT CEMENT—Cement high temperature. Quigley Co., Inc., New York, N. Y.
REVERE BRAZING METAL—Brazing metal. Revere Copper and Brass, Inc., New York, N. Y.
REVERE ELECTROLYTIC COPPER—Copper wire. Revere Copper and Brass, Inc., New York, N. Y.
REVERE 456—Bronze welding rod. Revere Copper and Brass, Inc., New York, N. Y.
REVERE MANGANESE BRONZE—Bronze welding rods. Revere Copper and Brass, Inc., New York, N. Y.
REVERE PHOSPHOR BRONZE—Tin-bronze welding rods. Revere Copper and Brass, Inc., New York, N. Y.
REVERE PHOSPHOR DEOXIDIZED COPPER—Phosphor deoxidized copper welding rods. Revere Copper and Brass, Inc., New York, N. Y.
REVERE SILICON DEOXIDIZED COPPER—Silicon deoxidized copper. Revere Copper and Brass, Inc., New York, N. Y.
REVERS-O-CHARGE—Welding control equipment. Weltronic Co., Detroit, Mich.
REX—Sprocket chains. Chain-Belt Co., Milwaukee, Wis.
REX—Spot, projection, flash-butt, multiple welding equipment. Rex Welder and Engineering Co., Kansas City, Mo.
REX-A-LITE—Hard-facing alloys. Sight Feed Generator Co., West Alexandria, Ohio
REXARC—Hard-facing electrodes. Sight Feed Generator Co., West Alexandria, Ohio.
REXARC MANGANESE "M1"—Electrode for building up manganese castings. Sight Feed Generator Co., West Alexandria, Ohio.
REXARC MANGANESE "S-3"—Nickel manganese electrode. Sight Feed Generator Co., W. Alexandria, Ohio.
REX-TITE—Hose couplings. Chicago Metal Hose Corp., Maywood, Ill.
REX-TUBE—Ventilating hose. Chicago Metal Hose Corp., Maywood, Ill.
REX-WELD—Ventilating hose. Chicago Metal Hose Corp., Maywood, Ill.
REXTUNG—Tungsten carbide, tubed and pegs. The Sight Feed Generator Co., W. Alexandria, Ohio.
REXWELD—Hard surfacing welding rods and electrodes. Crucible Steel Co. of America, New York, N. Y.
REYNOLDS—Aluminum and aluminum alloys. Reynolds Metal Co., Louisville, Ky.
REZ-SIZE—Abrasives. Clover Mfg. Co., Norwalk, Conn.
REZISTAL—Stainless steels and electrodes. Crucible Steel Co. of America, New York, N. Y.
RIGID—Pipe cutters wheels, etc., Collmer Brothers, South Bend, Ind.
RIDO DUST—Chipping goggles. Harry Buegeleisen, Inc., Brooklyn, N. Y.
RIDO RAY—Welders' goggles. Harry Buegeleisen, Inc., Brooklyn, N. Y.
RIEHLE—Machines for testing of materials. Riehle Testing Machine Div., American Machine & Metals, Inc., E. Moline, Ill.
RINGLOCK—Wire section brushes. The Osborn Mfg. Co., Cleveland, Ohio.

RIPLEY RIVET GUN—Rivet gun. Ripley Co., Inc., Middletown, Conn.
RIPLEY WELDING TIMER—Timer for spot welding. Ripley Co., Inc., Middletown, Conn.
RIVERSIDE—Phosphor bronze alloys uncoated welding rods. Riverside Metal Co., Riverside, Burlington Co., N.J.
RIVWELD—Stud welder fastener. Nelson Stud Welding, Div. of Morton Gregory Corp., Lorain, Ohio.
ROBERTS—Tube-copper. J. N. Fauver Co., Inc., Detroit, Mich.
ROBVON—Welding fittings, weld back-up rings, stainless steel. The Robvon Corp., Denver, Colo.
ROCKET—Trolley. David Round & Son, Cleveland, O.
ROCKET "51"—Electric hoist. David Round & Son, Cleveland, O.
ROCKWELL—Hardness testers. Wilson Mechanical Instrument Co., New York, N. Y.
ROD-HOD—Electrode container. Marquette Mfg. Co., Inc., Minneapolis, Minn.
ROD SAVER—Electrode holders. Martin Wells, Los Angeles, Cal.
ROD SAVER-CUB—Electrode holder. Martin Wells, Inc., Los Angeles, Cal.
ROD SAVER-MASTER—Electrode holder. Martin Wells, Inc., Los Angeles, Cal.
ROD SAVER-STUBBY—Electrode holder. Martin Wells, Inc., Los Angeles, Cal.
RODEO—Safety glasses. Bausch & Lomb Optical Co., Rochester, N. Y.
ROEBLING—Welding wire and cables. John A. Roebling's Sons Co., Trenton, N. J.
ROEWELD—Welding cable. John A. Roebling's Sons Co., Trenton, N. J.
ROLLALOY—Welding tractor rollers. Industrial Overlay Metals Inc., Eaton, O.
ROL-MAN—Electric repointer bars, plate, bars (round and flat). Manganese Steel Forge Co., Philadelphia, Pa.
ROMAN BRONZE—Bronze rod. Revere Copper and Brass, Inc., New York, N. Y.
ROME 60—Welding cable. Rome Cable Corp., Rome, N. Y.
ROTAIR FURNACE—Furnace. Eclipse Fuel Engineering Co., Rockford, Ill.
ROTOR—Pneumatic tools. Rotor Tool Co., Cleveland, Ohio.
ROUGH SERVICE—Incandescent lamps. Champion Lamp Works, Lynn, Mass.
ROUND FILE IMPROVED—Gas lighters. Safety Gas Lighter Co., Lynn, Mass.
ROUND FILE POPULAR—Gas lighters. Safety Gas Lighter Co., Lynn, Mass.
ROXCO—Pipe wrenches, tube cutters and strap wrenches. Trimont Mfg. Co., Div. of Aetna Industrial Corp., Roxbury, Mass.
ROYAL—Surface hardening powder. Antiborax Compound Co., Fort Wayne, Ind.
ROYAL CLIPPER—Metal cutter and shrinker; metal stretcher and crimper; cable splicing and joggling blocks; rivet cutter. C. B. Tool Co., Lancaster, Pa.
ROYAL CREST—Press type spot welder. The Central Sales Corp., Chicago, Ill.
RUBBERLOKT—Rotary wire brushes. Hewitt Rubber Div., Hewitt-Robins Inc., Buffalo, N. Y.
RUBY'S—Stainless steel soldering flux. The Ruby Chemical Co., Columbus, Ohio.
RUBY FLUID—Soldering and tinning flux and cored solder. The Ruby Chemical Co., Columbus, Ohio.
RUEMELIN—Welding fume collector. Ruemelin Mfg. Co., Milwaukee, Wis.
RUF-TRED—Electrode holder. Metallizing Engineering Co., Inc., Long Island City, N. Y.
RUFLUX 61—Rutile milled. Titanium Alloy Mfg. Div., National Lead Co., New York, N. Y.
RUFLUX 84—Rutile granular. Titanium Alloy Mfg. Div., National Lead Co., New York, N. Y.
RUFLUX P—Potassium titanate. Titanium Alloy Mfg. Div., National Lead Co., New York, N. Y.
RUFLUX S—Sodium titanate. Titanium Alloy Mfg. Div., National Lead Co., New York, N. Y.
RUFLUX T—Zirconium oxide. Titanium Alloy Mfg. Div., National Lead Co., New York, N. Y.
RUPTAIR—Circuit breakers. Allis Chalmers Mfg. Co., Milwaukee, Wis.
RUPTOR—Circuit breakers. Allis Chalmers Mfg. Co., Milwaukee, Wis.
RUSSELL—Welders' gloves. Frank Russell Glove Co., Berlin, Wis.
RUST-I-CIDE—Non-rusting soldering flux for soldering iron or steel. Rusticide Products Co., Cleveland, Ohio.
RUSTICON—Rust preventives. Philadelphia Quartz Co., Philadelphia, Pa.
RUST-BLOC No. 20—Rust preventive. Truco Products, Inc., Los Angeles, Cal.
RUST-OLEUM—Rust preventive coating. Rust Oleum corp., Evanston, Ill.
RUST-SOL—Rust remover. Klem Chemical, Inc., Dearborn, Mich.
RUST-TOX—Preparation for preventing rust. Skybrite Co., Cleveland, Ohio.
RUST VETO—Rust preventive. E. F. Houghton & Co., Philadelphia, Pa.
RYAX—Heat treated manganese steel. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
RYCASE—Manganese steel. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
RYCUT—Alloy steel. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
RYERSON—Various steel products such as bar, sheet, plate, etc. Joseph T. Ryerson & Son, Inc., Chicago, Ill.
RYTENSE AA—Manganese steel. Joseph T. Ryerson & Son, Inc., Chicago, Ill.

S

S.C.S. No. 7—Flux. Farrelloy Co., Philadelphia, Pa.
SF—Acetylene generators, soldering and brazing equipment, welding and brazing fluxes, accessories, etc. Sight Feed Generator Co., West Alexandria, Ohio
S-F—Acetylene generators. Sight Feed Generator Co., West Alexandria, Ohio
SGI—Acetylene; helium; nitrogen; oxygen. Steele Gases, Inc., Chicago, Ill.
SM—A-C—D-C electrode. Harnischfeger Corp., Milwaukee, Wis.
S MONEL—Silicon-bearing monel. The International Nickel Co., Inc., New York, N. Y.
S-M-S—Resistance welder electrodes and tips, rod stock, forgings and castings, seam welding wheels and rolls, flash and projection welding dies, electrode holders, etc. S-M-S Corp., Detroit, Mich.
SR-4—Strain gauge. Baldwin Southwark Div., The Baldwin Locomotive Works, Philadelphia, Pa.
S.R.P.—Rust preventative. L. Sonebom Sons, Inc., New York, N. Y.
SS HIGH STRENGTH—Alloy welding rod. Steel Sales Corp., Chicago, Ill.
SWWCO—Shear blades or knives. Simonds Worden, White Co., Dayton, O.
SADCO—Oxygen and acetylene. Houston Oxygen Co., Inc., Houston, Texas.
SAF-T—Leather safety garments, leather and asbestos curtains. Aljay Mfg. Co., Inc., Philadelphia, Pa.
SAF-T-CUT—Abrasive discs. Wheel Bay State Abrasive Products Co., Westboro, Mass.
SAFCLO—Safety clothing and equipment. Safety Clothing and Equipment Co., Cleveland, Ohio.
SAFE-AIRE—Dust collectors suitable for use in various dust collecting. Ralph Maitland, Cleveland, Ohio.
SAFE-T-VIS—Protective goggles. The Univis Lens Co., Dayton, Ohio.
SAFE-WELD—Arc and oxy-acetylene welding supplies. National Cable Corp., Milwaukee, Wis.
SAFE-WELD—Welding plates. Flood Safety Products Co., Chicago, Ill.
SAFE-WELD—Welding helmets. E. D. Bullard Co., San Francisco, Calif.
SAFETY—Grinding wheels. Simonds Worden, White Co., Dayton, O.
SAFETY CIRCLE—Motors. Allis-Chalmers Mfg. Co., Milwaukee Wis.
SAFETY PULL—Ratchet lever hoist. Coffing Hoist Co., Danville, Ill.
SAFETY SERVICE—Welding helmets. Safety Equipment Service Co., Cleveland, Ohio.
SAFRONT—Pneumatic welder timer. Square-D Co., Industrial Controller Div., Milwaukee, Wis.
SALEM—Salem ladles, kettles and skimmers. The Salem Tool Co., Salem, Ohio.
SALSBURY—Pneumatic air hammer. Salsbury Corp., Los Angeles, Calif.
SAMCO—Clamps, tool handles, ladles, pots and kettles, circular and hole saws, cylinder trucks. Syracuse Alloy Metals Corp., Syracuse, N. Y.
SAMSON—Hand power punches, shears, bar cutters and bar benders and power punches, combination punching and shearing machines. Julius Blum & Co., Inc., New York, N. Y.
SAMSON—Grinding wheel dressers. G. J. Wallen Manufacturing Co., San Francisco, Calif.
SAMSON—Wire wheel and rotary wire brushes. The Manufacturers Brush Co., Cleveland, Ohio.
SANIGLAS—Chipping goggles. American Optical Co., Southbridge, Mass.
SANI-SPRAY—Goggle spray station, cleaning fluid for goggles, cleaning tissues. Allen Optical Co., Buffalo, N. Y.
SANKEY—Foot and shin guards. Safety Clothing & Equip. Co., Cleveland, O.
SAOCO—Oxygen acetylene. Houston Oxygen Co., Houston, Tex.
SATINARC—Modified type of sul-coated electrode. Universal Power Co., Cleveland, Ohio.
SAUNDERS—Valves for airlines. Grinnell Co., Inc., Providence, R. I.
SAUNDERS—Pipe cutters' wheels, etc. Collmer Bros., South Bend, Ind.
SAW GUN—Power driven hack saw and file. Mid-States Welder Mfg. Co., Chicago, Ill.
SAXE—Seat and erection clip. J. H. Williams & Co., Buffalo, N. Y.
SCAIFLUX 21 and 22—Silver brazing fluxes. Scaife Co., Oakmont, Pa.
SCALEMASTER—Hammers; chipping and scaling. The Fibre-Metal Products Co., Chester, Pa.
SCALEMASTER—Weld cleaning tool. Industrial Products Co., Philadelphia, Pa.
SCALE-OFF—Rust and scale remover. Kelite Products, Inc., Los Angeles, Calif.
SCHOITZ—Automatic cutting machine. Scholtz Engineering Works, Waterloo, Iowa.
SCHRADER—Gas engine driven portable arc welders. Electromagnets for aligning and positioning plates in various welding applications. F. W. Schrader Co., Culver City, Calif.
SCIAKY—Resistance welding equipment which includes spot welders, seam and roll spot welders, flash-butt welders, projection welders, multiple head spot welders and portable equipment. A-C and D-C resistance welders. Sciaky Bros., Chicago, Ill.
SCORFILL—Alloy used to fill scored automobile and other cylinders. Smith Welding Equipment Corp., Minneapolis, Minn.
"SCOTCH"—Tapes. Minnesota Mining & Mfg. Co., St. Paul, Minn.
SCOUT—Utility bench vise. Wilton Tool Mfg. Co., Chicago, Ill.
SCRATCHMASTER—Wire brushes. The Fibre-Metal Products Co., Chester, Pa.
SCREW SHOOTER—Electric portable screw driver. Milwaukee Electric Tool Corp., Milwaukee, Wis.
SE-CO—Cylinder valve. Security Valve Co., Los Angeles, Calif.
SEACO—Hard-surfacing electrodes. Stulz-Sickles Co., Newark, N. J.
SEAL KRAX—Solder bars. Modern Engineering Co., Inc., St. Louis, Mo.
"SEAL-OFF"—Air valves. The Taylor-Winfield Corp., Warren, Ohio.
SEAL-TIGHT—A-C arc welders. Will-Weld Mfg. Co., Inc., Omaha, Neb.
SEAL-X-O—Filler for rough and porous welds. Metal Bond Mfg. Co., St. Louis, Mo.
SEALDFIT—Hose coupling and fittings for spotwelders. American Electric Fusion Corp., Chicago, Ill.
SEALTITE—Electrical wiring conduit. American Metal Hose branch, American Brass Co., Waterbury, Conn.
SEARCHLIGHT—Acetylene cylinders. Air Reduction Sales Co., New York, N. Y.
SEEL COTE—Weld protection alloy. Fusion Engineering, Cleveland, Ohio.
SEEM-WELDO—Seam weld timer. National Time and Signal Corp., Detroit, Mich.
SECURITY FLEX—Arc welding cable. Anaconda Wire & Cable Co., New York, N. Y.
SEL BLUE—White filament blue lens. Sellstrom Manufacturing Co., Chicago, Ill.
SEL GREEN—Hardened green lens. Sellstrom Manufacturing Co., Chicago, Ill.
SEL HARD—Hardening clear lenses. Sellstrom Manufacturing Co., Chicago, Ill.
SEL-O-MATIC—Adjustment for helmets. Sellstrom Manufacturing Co., Chicago, Ill.
SELCO—Indicator. H. H. Sell Electric Co., Minneapolis, Minn.
SEMCO—Dies, press equipment, special machines. Service Machine Co., Elizabeth, N. J.
SEL SAFE—Laminated clear lens. Sellstrom Mfg. Co., Chicago, Ill.
SEL XX—Goggle and helmet lens. Sellstrom Mfg. Co., Chicago, Ill.
SELLSTROM SAFEGUARDS—Goggles, welding helmets. Sellstrom Mfg. Co., Chicago, Ill.
SENECA GASWELD—Electric and gas welding wire. Seneca Wire & Mfg. Co., Fostoria, Ohio.
SERVICE-LITE—Floodlights. Benjamin Electric Mfg. Co., Des Plaines, Ill.
SERVIT—Parallel or tee connector for welding cable. Burndy Engineering Co., Inc., New York, N. Y.
SERV-RITE—Protecting tubes. Claud S. Gordon Co., Chicago, Ill.
770 FLUX—Submerged arc flux. Lincoln Electric Co., Cleveland, Ohio.
SEYMOUR—Bronze welding rods. The Seymour Mfg. Co., Seymour, Conn.
SHAE-RITE—Shapers. Sales Service Machine Tool Co., St. Paul, Minn.
"SHAW BOX"—Electric cranes. Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Div., Muskegon, Mich.
SHAWINIGAN CARBIDE—Calcium carbide. Shawinigan Products Corp., New York, N. Y.
SHEARITE—Cutting tool. Aircraft-Marine Prod. Co., Harsburg, Pa.
SHELBY—Seamless steel tubing. National Tube Co., Div. of U. S. Steel Corp., Pittsburgh, Pa.
SHELL INDUSTRIAL GAS—Liquefied petroleum gas. Shell Oil Co., Inc., New York, N. Y.
SHEPARD-NILES—Electric cranes and hoists. Stryco Mfg. Co., San Francisco, Calif.
SHERMAN—Grinding wheel dressers. Desomond-Stephan Mfg. Co., Urbana, O.
SHERMAN—Couplings and fittings. H. B. Sherman Mfg. Co., Battle Creek, Mich.
SHIELD-ARC—D-C welding machines and electrodes. The Lincoln Electric Co., Cleveland, Ohio.
SHIELD BRAND—Twist drills, grinding wheel dressers, bolt stocks and dies. Standard Tool Co., Cleveland, Ohio.
SHIFTWEIGHT—Wire reels. Moslo Machinery Co., Cleveland, Ohio.
SHIPCO—Steel welding wire and aluminum welding rods. Superior Oxy-Acetylene Machine Co., Hamilton, Ohio.
SHOBER—Coated arc welding electrodes. Shober Sales Co., Stockton, Calif.
SHOCKLESS—Center drills. Reitool Corp., Milwaukee, Wis.
SHOOT-A-LITE—Gas lighter. Shoot-A-Lite Corporation, New York, N. Y.
SHOPKING—Bench vise. Wilton Tool Mfg. Co., Chicago, Ill.
SHOP MULE—Welding tractor. The Buda Co., Harvey, Ill.
SHORTSTUB—Electrode holders. Bernard Welding Equipment Co., Chicago, Ill.
SHRADER—Magnetic welding positioners and contactors, flame-cutting guides and inspection equipment. F. W. Shrader Co., Culver City, Calif.
SHURLITE—Torch and gas lighters and flints. G. C. Fuller Mfg. Co., Cincinnati, Ohio.
SIERRA—Welding flux. Sierra Welding Flux Co., Temple Calif.
SIGHT FEED—Acetylene generators, floodlights, liquifluxers, hard-facing and manganese electrodes, fluxes, tubed carbide, etc. Sight Feed Generator Co., West Alexandria, Ohio.
SIL-AID—Silver brazing alloys. United Wire & Supply Corp., Providence, R. I.
SIL-BOND—Silver brazing alloys. United Wire & Supply Corp., Providence, R. I.
SIL-CO—Low temperature brazing alloy. United Wire & Supply Corp., Providence, R. I.
SILBRAZ—Silver brazed joints. Walworth Co., New York, N. Y.
SILCALITE—Calcium metasilicate. Foote Mineral Co., Philadelphia, Pa.
SIL-CARB—Silicorn carbide papers and cloths. Clover Manufacturing Co., Norwalk, Conn.
SILENT HOIST—Winches and capstans. Silent Hoist & Crane Co., Brooklyn, N. Y.
SIL-FLUX—Brazing fluxes. United Wire & Supply Corp., Providence, R. I.

SIL-FOS—Silver brazing alloy. Handy & Harman, New York, N. Y.
SILFRAM—Cast hard-facing rod. Stoody Co., Whittier, Calif.
SILFRAX—Refractories. The Carborundum Co., Niagara Falls, N. Y.
SIL-GON—Low temperature brazing alloy. United Wire & Supply Corp. Providence, R. I.
SIL-LO—Low temperature brazing alloy. United Wire & Supply Corp., Providence, R. I.
SIL-LON—Low temperature brazing alloy. United Wire & Supply Corp., Providence, R. I.
SIL-LOY—Low temperature brazing alloy. United Wire & Supply Corp., Providence, R. I.
SIL GREEN—Hardened lens. Sellstrom Mfg. Co., Chicago, Ill.
SIL-TEX—Low temperature brazing alloy. United Wire & Supply Corp. Providence, R. I.
SIL-TITE—Silver brazing alloys. United Wire & Supply Corp., Providence, R. I.
SILK HAT—Tinning compounds and fluxes. Alwarth Chemical Corp., New York, N. Y.
SILTUBE No. 1—Low melting silver brazing rod. All-State Welding Alloys Co., Inc., White Plains, N. Y.
SILVALOY—Welding, brazing and soldering flux. The Linde Air Products Co., New York, N. Y.
SILVALOY—Silver brazing alloys. The American Platinum Works, Newark, N. J.
SILVALOY—Silver solders. Steel Sales Corp., Chicago, Ill.
SILVER—Welding electrodes. American Agile Corp., Cleveland, Ohio.
SILVER MAGIC—Silver solder. Universal Welder Corp., Cleveland, Ohio.
SILVER PHOSTUBE—Silver bearing phosphor copper brazing rod. All-State Welding Alloys Co., White Plains, N. Y.
SILVER STAR—Steel. Firth Sterling Steel & Carbide Corp., McKeesport, Pa.
SILVER STEEL—Circular saws, hacksaw blades, files. E. C. Atkins & Co., Indianapolis, Ind.
SILVER STREAK—Aluminum oxide abrasive coated cloth in disc and roll form. Abrasive Products, Inc., South Braintree, Mass.
SILVER STREAK—Pneumatic drills. Joy Mfg. Co., Pittsburgh, Pa.
SIMONDS—Metal cutting band saw blades. Simonds Saw & Steel Co., Fitchburg, Mass.
SIMPLEX—Portable crane. David Round & Son. Cleveland, O.
SIMPLEX—Jacks, steamboat ratchets, etc. Abrasive belt sander. Templeton, Kenly & Co., Chicago, Ill.
SIMPLEX—Abrasive belt grinders. Walls Sales Corp., New York, N. Y.
SIMPLEX—Electrode holder. The Fibre-Metal Products Co., Chester, Pa.
SIMPLEX—Oxy-acetylene welding rod. Air Reduction Sales Co., New York, N. Y.
SIMPLEX-JENNY—Center hole, hydraulic puller. Templeton, Kenly & Co., Chicago, Ill.
SIMPLEX-TIREX—Welding cables. Simplex Wire & Cable Co., Cambridge, Mass.
SINGER—Wearing apparel such as coats, overalls, bibs, sleeves, etc. Singer Leather Clothing Co., Philadelphia, Pa.
SITUFT—Brushes. The Osborn Mfg. Co., Cleveland, Ohio.
6S—Electrode holders. Martin Wells, Inc., Los Angeles, Calif.
"62" INCONEL—Electrode for welding Inconel. International Nickel Co., Inc., New York, N. Y.
"64" K MONEL—Electrode for welding "K" monel. International Nickel Co., Inc., New York, N. Y.
600—Electrode for arc welding of cast iron. C. E. Phillips & Co., Detroit, Mich.
636-SERIES—Filters and dryers for gas and air. The Gas Flux Co., Mansfield, Ohio.
660 FLUX—Submerged arc flux. Lincoln Electric Co., Cleveland, Ohio.
6N6 (M2)—Molybdenum high speed steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
SKILTOOLS—Portable saws, drills, grinders, sanders, etc. Skilsaw, Inc., Chicago, Ill.
SKIP TOOTH—Pipe die. Nye Tool Co., Chicago, Ill.
SKULLGUARD—Protective hat combined with a welding shield. Mine Safety Appliances Co., Pittsburgh, Pa.
SKULLGUARD—Welding shield helmet, welding shield. Mine Safety Appliances Co., Pittsburgh, Pa.
SLAGO—Dross reclaimer. Farrelloy Co., Philadelphia, Pa.
SLAIDARC—Coated stainless electrodes. Universal Welder Corp., Cleveland, Ohio.
SLIP-ON—Cartridge renewal for a gas lighter. Safety Gas Lighter Co., Lynn, Mass.
SLIP-ON—Soldering tip. Anzick Mfg. Co., Van Dyke, Mich.
SLO-DRIVE—Drill press speed reducer. Cardinal Machine Co., Glendale, Calif.
SMITH'S—A-C welding and cutting torches, regulators, A-C arc welders, welding rods and electrodes, accessories and supplies, preheating torches, acetylene generators, etc. Smith Welding Equipment Corp., Minneapolis, Minn.
Newark, N. J.
SMITHWAY—Welding electrodes and machines. A. O. Smith Corp., Milwaukee, Wis.
SMOOTH-IZE—Compound for smoothing welds and castings. Hoflup Corporation, Division of National Cylinder Gas Co., Chicago, Ill.
SMOOTH-ON—Iron, steel, aluminum and bronze cements. Smooth-On Mfg. Co., Jersey City, N. J.
SMOOTH-RUN—Abrasive belts, bands and sleeves. Clover Manufacturing Co., Norwalk, Conn.
SNAP-LOCK—Pliers wrench. Seymore Smith & Son, Inc., Oakville, Conn.
SNAP-TITE—Hose couplers. Snap-Tite, Inc., Erie, Pa.
SNUGFIT—Wire pipe hooks. The Paine Co., Chicago, Ill.
SOCKET END WELDOLETS—Forged pipe welded fittings. Bonney Forge & Tool Works, Allentown, Pa.
SOCO—Oxygen and acetylene. Houston Oxygen Co., Houston, Tex.
SOD-LOOM—Aluminum solder. Omaha Welding Co., Omaha, Neb.
SOFTARC—Lime drawn electrode. Universal Power Corp., Cleveland, Ohio.
SOFTCAST A—Shielded arc electrode. Hobart Brothers Co., Troy, Ohio.
SOFTCAST C—Coated electrode. Hobart Brothers Co., Troy, Ohio.
SOFT IRONWELD—Coated iron electrode. Steel Sales Corp., Chicago, Ill.
SOFTWELD—Electrode for welding cast iron. Lincoln Electric Co., Cleveland, Ohio.
SOFTWELD—Welding flux. General Welding & Equipment Co., Boston, Mass.
SOL-A-DIE—Forming dies. Solar Aircraft Co., San Diego, Calif.
SOL-CON—Welding cable connector. Tweco Products Co., Wichita, Kans.
SOL-FLUX—Soldering flux. Klem Chemicals, Inc., Dearborn, Mich.
SOLAR—Stainless steel welding flux. Victor Equipment Co., San Francisco, Calif.
SOLDALOY—Copper alloys for soldering iron tips. P. R. Mallory & Co., Inc., Indianapolis, Ind.
SOLDERING FLUID—Soldering fluids. Johnson Manufacturing Co., Mount Vernon, Iowa.
SOLDER-IT—Metallic compound to seal leaks in boilers, radiators, cracked cylinder heads, water jackets or engine blocks. York Engineering Co., Chicago, Ill.
SOLDER FLUX—Flux for repairing scored cylinders and for other soldering work. Smith Welding Equipment Corp., Minneapolis, Minn.
SOLISTRAND—Terminals, connectors and crimping tools. Aircraft-Marine Prod. Co., Harrisburg, Pa.
SOMMER & ADAMS—Special machinery. The Federal Machine & Welder Co., Warren, Ohio.
SONITE—Cover glass. Willson Products, Inc., Reading, Pa.
SONIZON—Ultrasonic thickness test instrument. Magnaflux Corp., Chicago, Ill.
SOUTHWARK—Hydraulic and special machinery. Baldwin Southwark Division, The Baldwin Locomotive Works, Philadelphia, Pa.
SOUTHWARK-TATE-EMERY—Testing machines. Baldwin Southwark Division, The Baldwin Locomotive Works, Philadelphia, Pa.
SPAR-KING—Tool bit. Spartan Saw Works, Inc., Springfield, Mass.
SPAR-KUT—Metal band saw stock. Spartan Saw Works, Inc., Springfield, Mass.
SPAREX—Rust and scale remover. American Chemical & Flux Co., Brooklyn, N. Y.
SPARGROUND—Tool bits. Spartan Saw Works, Inc., Springfield, Mass.
SPARKETTE—Burner igniters. Eclipse Fuel Engineering Co., Rockford, Ill.
SPATTER BAN—Coated cover plates. Kimball Safety Products Co., Cleveland, Ohio.
SPATTER-EX—Compound to prevent spatter from bonding to metal parts. Wayne Chemical Prod. Co., Detroit, Mich.
SPATTER-NOX—Liquid material for brushing, or spraying, for eliminating weld spatter sticking. Universal Welding Corp., Cleveland, Ohio.
SPATTER-OFF—Paste for elimination of weld spatter sticking. Universal Welding Corp., Cleveland, Ohio.
SPATTER-SHIELD—Weld spatter coating. Marquette Mfg. Co., Inc., Minneapolis, Minn.
SPATTERPROOF—Lamp to withstand hot weld spatter and rough handling. Radiant Lamp Corp., Newark, N. J.
SPE-WELD—Brazing rods and fluxes. Special Welding Alloy Co., Inc., Long Island City, N. Y.
SPECTI-GOGGLE — Spectacle type goggles. Eastern Equipment Co., Inc., Willow Grove, Pa.
SPEC-PRO-TECTOR—Welder's and industrial goggles. Eastern Equipment Co., Willow Grove, Pa.
SPECIAL WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.
SPECIAL—Carbon tool steel. Firth-Sterling Steel & Carbide Co., McKeesport, Pa.
SPECIAL SHAPES—Furnished per specifications. Mexico Refractory Co., Mexico, Mo.
SPECIAL TITE-KOTE—Coated manganese nickel steel electrodes. Stulz-Sickles Co., Newark, N. J.
SPED CABLE—Welding cable connector. Yarco Distributors, Los Angeles, Calif.
SPEED KING—Cutting torch. Harris Calorific Co., Cleveland, Ohio.
SPEEDARC—Electric arc welding machines. Ideal Electric & Manufacturing Co., Mansfield, Ohio.
SPEEDMATIC—Portable electric saws and sanders. The Porter-Cable Machine Co., Syracuse, N. Y.
SPEEDOMATIC—Automatic arc welding wire. Steel Sales Corp., Chicago, Ill.
SPEEDOX DOB—Carbon steel wire. Central Steel & Wire Co., Chicago, Ill.
SPEED ROD No. 44—Mild steel electrode. Champion Rivet Co., Cleveland, Ohio.
SPEED VISE—Drill press vises and machinists' vise. Cardinal Machine Co., Glendale, Calif.
SPEEDWAY—Electric hoists. Wright Hoist Div. of American Chain & Cable Co., Inc., York, Pa.
SPEEDWAY—Portable electric drills and electric bench grinders. Speedway Mfg. Co., Cicero, Ill.
SPEED-WET—Waterproof coated abrasive. Behr-Manning Corp., Troy, N. Y.
SPEEDWITCH—Flexible shaft grinder. Charles L. Jarvis Co., Middletown, Conn.
SPEEDWITCH — Coated electrode. Eastern Equipment Corp., Willow Grove, Pa.
SPEER—Carbon arc welding rods, welding plates and welding paste; welding generator and motor brushes. Speer Carbon Co., St. Marys, Pa.
SPERRY—Resistance type flash butt welder. Sperry Products, Inc., Danbury, Conn.
SPIRABAND — Coated abrasive. Behr-Manning Corp., Troy, N. Y.
SPIRABELT—Coated abrasive. Behr-Manning Corp., Troy, N. Y.
SPIRATUBE—Cloth covered flexible tubing. Warner Bros. Co., Bridgeport, Conn.
SPITFIRE—Rosin disc. Abrasive Products, Inc., South Braintree, Mass.
SPLICIT—Automatic line splice for joining lines or cables. Burndy Engineering Co., New York, N. Y.
SPOTLESS—Coated cover lens. Universal Power Corp., Cleveland, Ohio.
SPRABABBITT—Babbitt metal wire. Metallizing Engineering Co., Long Island City, N. Y.
SPRABAND—Metallizing wire. Metallizing Engineering Co., Inc., Long Island City, N. Y.
SPRABRASS—Brass wire for metallizing. Metallizing Engineering Co., Long Island City, N. Y.
SPRABRONZE—Bronz wires for metallizing applications. Metallizing Engineering Co., Inc., Long Island City, N. Y.
SPRAIRON—Iron wire for metallizing applications. Metallizing Engineering Co., Inc., Long Island City, N. Y.
SPRASTEEL—Steel wires for metallizing applications. Metallizing Engineering Co., Inc., Long Island City, N. Y.
SPRAY MIX—Coating refractory. Mexico Refractory Co., Mexico, Mo.
SPRAYWELD WIRE—Hardfacing metallizing wire. Wall Colmonoy Corp., Detroit, Mich.
SPRAYWELDER—A powder metallizing unit. Wall Colmonoy Corp., Detroit, Mich.
SPRINGTITE—Electrode holder. McClary & Byers Equipment Co., Oakland, Calif.
SQUARE D—Resistance welder control. Square D Co., Industrial Controller Div., Milwaukee, Wis.
SQUEEZE-GRIP—Carbon dioxide portable fire extinguishers (discharge valve). C-O-Two Fire Equipment Co., Newark, N. J.
STA-SAFE—Helmets, salt & dispensers. Safety Clothing & Equip. Co., Cleveland, O.
STA-SET—Finger guards. American Optical Co., Southbridge, Mass.
STA-WARM—Metal melting pot and kettles. Sta-Warm Electrical Co., Ravenna, Ohio.
STABLE-ARC—Electrodes. Lincoln Electric Co., Cleveland, Ohio.
STACKPOLE—Arc welding and brazing carbons, welding tips, generator brushes, welding paste, etc. Stackpole Carbon Co., St. Marys, Pa.
STAIDARC—Modified coated electrode. Universal Welding Co., Cleveland, Ohio.
STAIN-CRAFT—Electrodes for welding chrome and nickel stainless steel and chromium-iron. Allied Weld-Craft, Inc., Indianapolis, Ind.
STAIN-ROD—Stainless steel electrodes. Marquette Manufacturing Co., Inc., Minneapolis, Minn.
STAINARC—Stainless steel welding rods and electrodes. Universal Power Corp., Cleveland, Ohio.
STAINITE—Tin cleaner. Turco Products, Inc., Los Angeles, Calif.
STAINKOTE—Stainless steel electrodes. Central Steel and Wire Co., Chicago, Ill.
STAINLEND—Covered electrodes for welding chrome-nickel steels. Arcos Corp., Philadelphia, Pa.
No. 6 STAINLESS—Steel soldering flux. Farrelloy Co., Philadelphia, Pa.
ST. PIERRE—Combination hammer, chisel and brush for use in cleaning welds. St. Pierre Chain Corp., Worcester, Mass.
STAINMANG—Austenitic electrodes. Arcos Corp., Philadelphia, Pa.
STAINOX—Treated, bare rod. Central Steel and Wire Co., Chicago, Ill.
STAINWELD—Welding electrodes. Lincoln Electric Co., Cleveland, Ohio.
STANDARD—Screw geared hoist. Chisholm Moore Hoist Corp., Tonawanda, N. Y.
STANDARD—Clamps. The Cincinnati Tool Co., Cincinnati, Ohio.
STANDARD—Water hardening tool steel. Henry Disston & Sons, Inc., Philadelphia, Pa.
STANDARD—Power hack saws. Peerless Machine Co., Racine, Wis.
STANDARD—Welding positioner. Standard Machinery Co., Providence, R. I.
STANDARD—Welding rods and electrodes. Standard Steel and Wire Co., Bolivar, Pa.
STANDARD—Electric welded carbon and stainless steel tubing. The Standard Tube Co., Detroit, Mich.
STANDARD PATTERN—Bench and floor grinders. Clirbe Bros. Mfg. Co., Plymouth, Ind.
STANLEY—Portable electric grinders, sanders, bench grinders, drills and motor driven shears. Stanley Electric Tool Div., The Stanley Works, New Britain, Conn.
STANWELD—Tubing. The Standard Tube Co., Detroit, Mich.
STAR—Hack saw blades and frames, flexible back metal cutting band saws. Clemson Bros., Inc., Middletown, N. Y.
STAR—Plow points. Star Manufacturing Co., Division of Illinois Iron & Bolt Co., Carpentersville, Ill.
STAR—Wire wheel brush sections. Anderson Corp., Worcester, Mass.
STAR J—Metal-cutting tools. Haynes Stellite Co., New York, N. Y.
STAR-MO—"Moly" high-speed steel. Firth-Sterling Steel & Carbide Corp., McKeesport, Pa.
STARRETT—Hack saw and band saw blades and steel tapes. L. S. Starrett Co., Athol, Mass.

STAR WELDER—Spot and butt welders. Ames Spot Welder Co., Inc., Brooklyn, N. Y.
STASAFE—Eye shield. Standard Safety Equipment Co., Chicago, Ill.
STASAFE HAIRGARD—Cap fitted with a transparent acetate visor. Standard Safety Equipment Co., Chicago, Ill.
STATIFLUX—Inspection equipment and metals. Magnaflux Corp., Chicago, Ill.
STAY-PUT—Clamps, hose. J. N. Fauver Co., Inc., Detroit, Mich.
STEAM-AERO—Steam cleaning compound. Turco Products, Inc., Los Angeles, Calif.
STEAM-OFF—Steam cleaning compound. Turco Products, Inc., Los Angeles, Calif.
STEAMEZE—Steam cleaning compound. Turco Products, Inc., Los Angeles, Calif.
STEAMFAS—Steam cleaning compound. Turco Products, Inc., Los Angeles, Calif.
STEEL CITY—Portable hardness tester. Steel City Testing Laboratory, Detroit, Mich.
STEEL-CLAD—Rotary wire wheel brush. The Milwaukee Brush Mfg. Co., Milwaukee, Wis.
STEEL-CLAD—Pneumatic grinders and wire brush machines. Chicago Pneumatic Tool Co., New York, N. Y.
STEEL GRIP—Protective clothing; gloves, mittens, aprons, spats and leggings made with steel reinforcing. Industrial Gloves Co., Danville, Ill.
STEELKOTE—Coated electrodes. Central Steel and Wire Co., Chicago, Ill.
STEELKOTE 6—Low carbon, full fluxed electrode. Central Steel & Wire Co., Chicago, Ill.
STEELKOTE 110—Flux coated high carbon electrode. Central Steel and Wire Co., Chicago, Ill.
STEELRITE—Crayon for marking steel. Whittaker, Clark & Daniels, Inc., New York, N. Y.
STEEL-TECTIC—Mild steel electrode. Eutectic Welding Alloys Corp., Flushing, N. Y.
STEELWELD—Metal-forming presses, press brakes, shears and buildozers fabricated of welded steel plates, shapes and parts. The Cleveland Crane and Engineering Co., Wickliffe, Ohio.
STEINER—Drying ovens for coated electrodes. Steinerlves Co., Newark, N. J.
STELCO—Welding tips. Dockson Corp., Detroit, Mich.
STERLING—Dredge chain. The Cleveland Chain & Mfg. Co., Cleveland, Ohio.
STERLING—Flints for torch lighters. Flint Products Co., Brooklyn, N. Y.
STERLING—Rock salt and salt tablets dispensers. International Salt Co., Inc., Scranton, Pa.
STERLING — Steel. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
STERLING—Spot, seam, butt, gun and arc welders. Sterling Utilities Co., Inc., Brooklyn, N. Y.
STERLING STAINLESS — Straight-chromium stainless steels. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
STERLING STAINLESS "A"—Steel-stainless. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
STERLING STAINLESS "B"—Steel-stainless. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
STERLING TOOL—Water-hardening carbon steel. Firth-Sterling Steel and Carbon Co., McKeesport, Pa.
STERBON—Grinding wheel. Sterling Grinding Wheel Div., The Cleveland Quarries Co., Tiffin, Ohio.
STERLITH—Grinding wheel. Sterling Grinding Wheel Div., The Cleveland Quarries Co., Tiffin, Ohio.
STILLSON—Pipe wrench. Walworth Co., New York, N. Y.
STOODITE—Hard-facing rods and electrodes. Stoody Co., Whittier, Calif.
STOODY 1 & 6—Hard-facing rods and electrodes. Stoody Co., Whittier, Calif.
STOODY 101, 102, 103, 105, 106, 107, 121, 122, 130—Hard-facing wire. Stoody Co., Whittier, Calif.
STOODY 1027—Hard-facing electrodes. Stoody Co., Whittier, Calif.
STOODY HIGH CARBON—Welding electrodes and wire. Stoody Co., Whittier, Calif.
STOODY MANGANESE—Nickel-manganese welding electrode and welding wire. Stoody Co., Whittier, Calif.
STOODY SELF-HARDENING-21—Hard-facing electrodes. Stoody Co., Whittier, Calif.
STOODY—Hard-facing metals, welding rods, grinders and other equipment. Stoody Co., Whittier, Calif.
STOODY SELF-HARDENING—Hard-facing rods and electrodes. Stoody Co., Whittier, Calif.
STOW—Flexible shaft machines; flexible shaft power drives and flexible shaft remote controls for valves, etc. Stow Manufacturing Co., Binghamton, N. Y.
STRAIGHT HOLDERS—Holders. S-M-S Corp., Detroit, Mich.
STRAND—Flexible shafts and rotary flex. N. A. Strand Div., The Balmar Corp., Chicago, Ill.
STRAUSS—Safety equipment. Strauss Co., Pittsburgh, Pa.
STREAMLINE—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
STREAMLINE—Bronze fittings and copper pipe. Mueller Brass Co., Port Huron, Mich.
STREAMLINE—Electrode holders. Wagner Manufacturing Co., Inc., Jackson, Mo.
STREAMLINE JUNIOR—200 amp. gas engine driven arc welder. Hobart Bros. Co., Troy, Ohio.
STREAMLINER—Helmets and handshields. Metro Mfg. Co., Long Island City, N. Y.
STEAM-POWER—Portable air tools. Buckeye Tools Corp., Dayton, Ohio.
STREICHERT'S—Leather safety clothes. E. J. Streichert, Chicago, Ill.
STREICHERT'S GLOVES—Leather welding gloves. E. J. Streichert, Chicago, Ill.
STRESSCOAT—Stress analysis equipment. Magnaflux Corp., Chicago, Ill.
STRIKEASY—Direct-current arc welder. General Electric Co., Schenectady, N. Y.
STRIPTEX—Paint, lacquer and enamel stripper. Diversey Corp., Chicago, Ill.
STROCO—Crater eliminator. Flux-plated welding electrodes. Carl Strobel Corp., Los Angeles, Calif.
STRONGCAST—Steel electrode. Hobart Brothers Co., Troy, Ohio.
STRYCO—Resistance welding machines, overhead traveling cranes. Stryco Mfg. Co., San Francisco, Calif.
STUBBY ROD SAVER—Electrode holders. Martin Wells, Los Angeles, Calif.
STURDI-BILT—Wire cup power brushes. The Milwaukee Brush Mfg. Co., Milwaukee, Wis.
STURDY-WEAVE—Asbestos clothing, gloves, leggings, aprons, etc. The Safety Equipment Service Co., Cleveland, Ohio.
STYLE 10—Black oxy-acetylene hose. Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio.
STYLE 20—Red oxy-acetylene hose. Republic Rubber Div., Lee Rubber & Tire Corp., Youngstown, Ohio.
SULFLO—Cutting oils and solder fluxes. Sulflo, Inc., Elizabeth, N. J.
SULKOTE—Electrode. Hobart Brothers Co., Troy, Ohio.
SUN-RAY—Acetylene. Atlas Acetylene Co., Kearney, N. J.
SUNBEAM STEWART—Industrial heat treating furnaces, galvanizing, stress relieving and pot furnaces. Sunbeam Stewart Ind. Furnace Div. of Sunbeam Corp., Chicago, Ill.
SUNSTRAND—Wire rope and strand. Sunbury Wire Rope Mfg. Co., Sunbury, Pa.
SUPAIRCO—Industrial liquid air, liquid oxygen, oxygen, nitrogen, hydrogen and acetylene plants, liquid air containers and acetylene cylinders. Superior Air Products Co., Newark, N. J.
SUPER—Automatic continuous rotary and indexing and polishing machines. Hammond Machinery Builders, Inc., Kalamazoo, Mich.
SUPER—Drill grinding attachment. A. D. McBurney, Los Angeles, Calif.
SUPER—Welding torches. Modern Engineering Co., Inc., St. Louis, Mo.
SUPER-E—Paste type solders. Fusion Engineering, Cleveland, Ohio.
SUPER G—Paste type solders. Fusion Engineering, Cleveland, Ohio.
SUPER T—Paste type solders. Fusion Engineering, Cleveland, Ohio.
SUPER-CLAMPS—Clamps. The Cincinnati Tool Co., Cincinnati, Ohio.
SUPER-DREDNAUT—Goggles and lenses. Safety Equipment Service Co., Cleveland, Ohio.
SUPER ALLOY—Hard-facing alloy. Resisto-Loy Co., Grand Rapids, Mich.
SUPER ARMOR PLATE—Lenses. American Optical Co., Southbridge, Mass.
SUPER DYNAMITE—Hose. Mulconroy Co., Philadelphia, Pa.
SUPER-EBONITE—Hose. Quaker Rubber Co., Philadelphia, Pa.
SUPER HI-MO—Steel. Firth-Sterling Steel and Carbide Corp., McKeesport, Pa.
SUPER-LOY—Tungsten carbide. Resisto-Loy Co., Grand Rapids, Mich.
SUPER NICKEL-CLAD STEEL—Clad steel nickel bonded to a base plate of steel. Lukens Steel Co., Coatesville, Pa.
SUPER SERVICE—Welding cables. General Cable Corp., New York, N. Y.
SUPER STAR-MO—Steel of tungsten-moly. Firth-Sterling Steel & Carbide Co., McKeesport, Pa.
SUPER SIGHT—Light magnifiers. The Boyer Campbell Co., Detroit, Mich.
SUPER-SOLDER—Solder. Fusion Eng. Co., Cleveland, Ohio.
SUPER-TOUGH—Lens used for grinding goggles. Willson Products, Inc., Reading, Pa.
SUPER-VENT—Chemical dust masks. American Optical Co., Southbridge, Mass.
SUPER VISIBILITY—Protective glass for electric welding. Lincoln Electric Co., Cleveland, Ohio.
SUPER WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.
SUPER-X—Welding and cutting torches. Modern Engineering Co., Inc., St. Louis, Mo.
SUPERCLAMP—Forged steel clamps. Cincinnati Tool Co., Norwood, Cinn., Ohio.
SUPERCYCLE—Weld cleaning tools. Chicago Pneumatic Tool Co., New York, N. Y.
SUPERETTE—Electrode holders. Wagner Manufacturing Co., Inc., Jackson, Mo.
SUPER-DIFOLD—Buffs. Divine Brothers Co., Utica, N. Y.
SUPEREX—Capacitors. Solar Manufacturing Corp., North Bergen, N. J.
SUPERECTOR—Heavy duty ratchet wrenches. J. H. Williams & Co., Buffalo, N. Y.
SUPERFLO—Silver brazing alloy. Sherman & Co. (American Silver Co.), Flushing, N. Y.
SUPERIOR—Welding and cutting torches, accessories, supplies, acetylene generators, etc. Superior Oxy-Acetylene Machine Co., Hamilton, Ohio.
SUPERIOR—Chain hoists. David Round & Son, Cleveland, O.
SUPERIOR—Arc welding hand shield. Welding Engineering Co., Milwaukee, Wis.
SUPERIOR—Cylinder valves. Superior Valve & Fittings Co., Pittsburgh, Pa.
SUPERIOR—Welding, soldering and brazing fluxes. Superior Flux Co., Cleveland, Ohio.
SUPERIOR—Compressed gases. Superior Industrial Gas Corp., Astoria, N. Y.
SUPERJUSTABLE—Adjustable wrenches. J. H. Williams & Co., Buffalo, N. Y.
SUPERMEL—Insulation for electrode holders. Tweco Products Co., Wichita, Kans.
SUPERPHONE—Loudspeaker diving telephone for underwater cutting and welding. Craftsweld Equipment Corp., Long Island City, N. Y.
SUPERRENCH—Wrenches. J. H. Williams & Co., Buffalo, N. Y.
SUPERSEAL—Fittings for air lines. Grinnell Co., Inc., Providence, R. I.
SUPERSOCKET—Detachable socket wrenches. J. H. Williams & Co., Buffalo, N. Y.
SUPERTROL—Metal cleaner. Turco Products, Inc., Los Angeles, Calif.
SUPERWELD NO. 55, NO. 66, NO. 77, AND NO. 88—Coated arc electrodes. Steel Sales Corp., Chicago, Ill.
SUPERWELD NO. 77A—Coated electrodes. Steel Sales Corp., Chicago, Ill.
SUPRALOY—Hard facing electrodes. Bergstrom Alloys Corp., Reno, Nev.
SUPRALOY—Hard facing electrodes. Industrial Overlay Metals Inc., Eaton, O.
SUPREME—Round file type spark lighter. Matchless Utilities Co., Brooklyn, N. Y.
SUPREME—All-purpose Neoprene belting. Victor Balata & Textile Belting Co., New York, N. Y.
SUREGRIP—Electrode holders. Martin Wells, Los Angeles, Calif.
SUREGRIP-INSULATED—Electrode holder. Martin Wells, Inc., Los Angeles, Calif.
SUREGRIP-NON-INSULATED—Electrode holder. Martin Wells, Inc., Los Angeles, Calif.
SUREWELD—AC & DC welders, spot. Welders and electroders. Hollup Corp., Div. National Cylinder Gas Co., Chicago, Ill.
SUREWELD—Carbon electrodes and mild steel. Borm Manufacturing Co., Elgin, Ill.
SURFACE—All types of heat treat furnaces. Surface Combustion Co., Toledo, O.
SURFACEWELD—Electrodes. Lincoln Electric Co., Cleveland, Ohio.
SURFALLOY—Welding alloys. Eutectic Welding Alloys Corp., New York, N. Y.
SUVENEER—Copper, nickel, monel and stainless clad steel. Superior Steel Corp., Carnegie, Pa.
SVEA—Swedish iron welding wire. Swedish Iron and Steel Corp., New York, N. Y.
SWEAT-ON—Fluxes or alloys for joining materials. Eutectic Welding Alloys Co., New York, N. Y.
SWEDG-ON—Lugs and screws. Wagner Manufacturing Co., Inc., Jackson, Mo.
SWEAT-ON-PASTE—Hard facing paste. Wall Colmonoy Corp., Detroit, Mich.
SWEDOX—Welding rods, electrodes and supplies. Made by Central Steel & Wire Co., Chicago, Ill.
SWIFT—Resistance welding equipment. Swift Electric Welder Co., Detroit, Mich.
SWIFTWELD—Welding electrode. Lincoln Electric Co., Cleveland, Ohio.
SWIRT—Emulsion cleaning solvent. Phillips Manufacturing Co., Chicago, Ill.
SWISS—Solders, solder paddles and fluxes, tinning compound, wire wheels and brushes. Swiss Laboratory, Cleveland, O.
SYNCHRO-MATIC—Automatic flash-butt welder. Thomson Electric Welder Co., Lynn, Mass.
SYNCRO-BREAK—Magnetic welder contactor. Square D Co., Industrial Controller Div., Milwaukee, Wis.
SYNCRO-TIMER—Precision timer. National Time & Signal Corp., Detroit, Mich.
SYNTHITE—Insulating Varnish. John C. Dolph Co., Newark, N. J.
SYNTRON—Chipping and scaling hammers, electric grinders, portable electric drills, portable gas-electric power plants. Syntron Co., Homer City, Pa.
SYRALL—Clamps, tool handles, ladles, pots and kettles, circular and hole saws, cylinder trucks. Syracuse Alloy Metals, Syracuse, N. Y.

T

TD—Coated electrode. Hollup Corp., Division of National Cylinder Gas Co., Chicago, Ill.
T-J CO.—Preheating annealing and stress relieving furnaces. Tate, Jones & Co., Leetsdale, Pa.
TW—Seamless gas cylinders. Taylor-Wharton Iron and Steel Co., Easton, Pa.
TAKE-ABOUT—Portable electric hand sander. Porter-Cable Machine Co., Syracuse, N. Y.
TAM—Alloys, refractories and cement. Titanium Alloy Manufacturing Co., Niagara Falls, N. Y.
TAMARC—Silicon, titanium, zirconium mineral. Foote Mineral Co., Philadelphia, Pa.
TANDEM—Timer control unit. Industrial Timer Corporation, Newark, N. J.
TAN DEVIL—Mild steel electrode. Champion Rivet Co., Cleveland, O.
TANTUNG—Alloy. Also welding rod and cutting tool tips. Fansteel Metallurgical Corp., North Chicago, Ill.
TANTUNG—Cast alloy tools, blanks and precision castings. Vascoloy-Ramet Corp., Waukegan, Ill.
TAYLOR—Spiral and straight-seam welded pipes, forged fittings. Taylor Forge and Pipe Works, Chicago, Ill.
TAYLOR-FORGE—Electric, fusion welded pipe, forged pipe fittings, pipe flanges for welding, welding necks and flanges for tanks and other forged products. Taylor Forge and Pipe Works, Chicago, Ill.
TAYLOR-HALL—Spot welders. The Federal Machine & Welder Co., Warren, Ohio.
TAYLOR-MADE—Chain. S. G. Taylor Chain Co., Hammond, Ind.
TAYLOR-WINFIELD—Resistance spot, projection, seam and flash-butt welding machines. The Taylor-Winfield Corp., Warren, Ohio.
TECO—Under water arc-oxygen torch and under water gas torch. The Thompson Engineering Co., Grand Rapids, Mich.
TEMCO—Electric furnaces. Thermo Electric Manufacturing Co., Dubuque, Iowa.
TEMDCO—Hard surfacing electrodes. The MacDonald Co., Inc., Reno, Nev.

TEMDCOMANG—Nickel manganese electrode. The MacDonald Co., Inc., Reno, Nev.
TEMDCOPASTE—Hardsurfacing paste. The MacDonald Co., Inc., Reno, Nev.
TEMPIL PELLETS—Temperature-indicating pellets. Tempil Corp., New York, N. Y.
TEMPILAQ—Temperature indicating paint. Tempil Corp., New York, N. Y.
TEMPILSTIKS—Temperature indicating crayon. Tempil Corp., New York, N. Y.
TEMPRITE—Refrigeration products. Temprite Products Corp., Detroit, Mich.
TENSILEND—Electrodes for welding high carbon, low alloy, high tensile and free machining steels. Arcos Corp., Phila., Pa.
TENS-O-MATIC—Automatic welding wire. Allied Weld-Craft, Inc., Indianapolis, Ind.
TENSOX—Carbon steel. Central Steel & Wire Co., Chicago, Ill.
TEX-DRIVE—Grinders and buffers. The Hisey Wolfe Machine Co., Cincinnati, Ohio.
THEMAC—Portable electric grinders. The McGonegal Mfg. Co., E. Rutherford, N. J.
THERMACOTE—Spatter-proof cover lenses. Thermacote Co., Los Angeles, Calif.
THERMIT—Apparatus and materials for thermit welding. Metal & Thermit Corp., New York, N. Y.
THERMO—Tip cleaners. Thermacote Co., Los Angeles, Calif.
THERMO-GRIP—Soldering equipment. Ideal Industries, Inc., Sycamore, Ill.
THERMO-LO BLUE WELDING FLUX—Flux. Farrelloy Co., Philadelphia, Pa.
THERMO-LO PINK BRAZING FLUX—Flux. Farrelloy Co., Philadelphia, Pa.
THER-MONIC—Induction, dielectric and corebaking equipment. Induction Heating Corp., Brooklyn, N. Y.
THE WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.
THOM McAN—Safety shoes. Thom McAn Safety Shoe Div. of Melville Shoe Corp., New York, N. Y.
THOMPSON—Torch unit for underwater arc cutting. Thompson Engineering Co., Grand Rapids, Mich.
THOMSON OBI—Welding presses. Thomson Electric Welder Co., Lynn, Mass.
THOMSON—Spot, butt, seam, flash, multimatic spot, fabric welders, and other types of resistance welding machines. Thomson Electric Welder Co., Lynn, Mass.
THOR—Fire brick. Mexico Refractories Co., Mexico, Mo.
THOR—Portable electric and pneumatic tools. Independent Pneumatic Tool Co., Chicago, Ill.
THREADWELL—Twist drills. The Threadwell Tap & Die Co., Greenfield, Mass.
THREDOLETS—Forged pipe welding fittings. Bonney Forge and Tool Works, Allentown, Pa.
3 IN 1—Portable A-C welder. Tri-Arc Corp., Chicago, Ill.
3M—Coated abrasives, abrasives and coatings. Minnesota Mining & Mfg. Co., St. Paul, Minn.
THREE-M-ITE—Abrasive cloth. Minnesota Mining and Mfg. Co., St. Paul, Minn.
THREE-PHASE—Welding equipment. Sciaky Bros., Inc., Chicago, Ill.
THYRATRON—Control for spot- and line-welding equipment. General Electric Co., Schenectady, N. Y.
TIGER—Flux. Columbia Chemical Products Co., Detroit, Mich.
TIGER BRAND—Wire rope. Tennessee Cable, Iron and Railroad Co., Birmingham, Ala.
TIGERWELD—Wire rope. American Steel and Wire Co., Rockefeller Bldg., Cleveland, Ohio.
TILLMAN—Leather gloves, mittens, garments, and supplies. John Tillman and Co., Long Beach, Calif.
TIMANG—Manganese nickel steel welding rod-plate, etc. Taylor Wharton Iron & Steel Co., High Bridge, N. J.
TIME TAKER—Welding time recorder. A-C Devices & Products, Chicago, Ill.
TIN-EZY—Soldering compound and galvanizing compound. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.
TIN-EZY—Johnson's metal coating compound. Johnson Mfg. Co., Inc., Mount Vernon, Iowa.
TINEZY BRAND Z—Tinning compound. Farrelloy Co., Philadelphia, Pa.
TINEZY REGULAR—Flux. Farrelloy Co., Philadelphia, Pa.
TINKOTE—Tinning compound. Tinkote Co., Revere, Mass.
TINNENE—Tinning compound. Remont Mfg. Co., Lombard, Ill.
TINOL—Flux powder. American Solder and Flux Co., Philadelphia, Pa.
TINS-TYTER—Soldering flux. Remont Mfg. Co., Lombard, Ill.
TIP CLEEN—Tip cleaning compound. Wolfe-Kote Co., Sheboygan, Wis.
TIPALOY—Resistance welding electrodes. Tipaloy, Inc., Detroit, Mich.
"TIPIT"—Chain sling. Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Div., Muskegon, Mich.
TIPPY—Resistance welding electrodes. Tipaloy, Inc., Detroit, Mich.
TIREX—Welding cables. Simplex Wire & Cable Co., Cambridge, Mass.
TISCO—Manganese steel castings and other products. Taylor-Wharton Iron and Steel Co., High Bridge, N. J.
TISCO ALNICO—Alloy of aluminum, nickel and iron. Taylor-Wharton Iron and Steel Co., Easton, Pa.
TITAN—Electric hoist. Detroit Hoist & Machine Co., Detroit, Mich.
TITAN—Deoxidized bronze alloy welding rods and other products. Titan Metal Manufacturing Co., Bellefonte, Pa.
TITANALBA—Titanium dioxide. Foote Mineral Co., Philadelphia, Pa.
TITAN BRONZE—Deoxidized bronze welding rods. Titan Metal Mfg. Co., Bellefonte, Pa.
TITAN MANGANESE BRONZE—Bronze rod. Titan Metal Mfg. Co., Bellefonte, Pa.
TITAN WEARWELL—Rods of bronze. Titan Metal Mfg. Co., Bellefonte, Pa.
TITANOX—Electrode coating material. National Lead Co., New York, N. Y.
TITANOX—Titanium dioxide. Titanium Pigment Corp., New York, N. Y.
TITE-KOTE—Nickel manganese steel electrodes. Stulz-Sickles Co., Newark, N. J.
TNEL—A. C. arc welding machines and spot welders. Tnel Manufacturing Co., Hornell, N. Y.
TOBIN BRONZE—Bronze alloy. The American Brass Co., Waterbury, Conn.
TOCCO—Induction heating equipment. The Ohio Crankshaft Co., Tocco Div., Cleveland, Ohio.
TOLMAN—Welding and cutting torches, regulators, accessories and supplies, oxy-acetylene welding and cutting outfits, electrode holders. Tolman Mfg. Co., Boston, Mass.
TOMBAC—Flux for brazing alloy steels and copper. Morey Flux and Chemical Co., Wilmington, Del.
TONCAN IRON—Iron alloy. Republic Steel Corp., Cleveland, Ohio.
TONG TEST—Clamp on type ammeter (AC & DC). Columbia Electric Mfg. Co., Cleveland, O.
TOOL AND DIE—Hard surfacing electrode. McKay Co., Pittsburgh, Pa.
TOOL-ARC—Tool and die electrodes. Alloy Rods Co., York, Pa.
TOOL ARC—Coated electrodes for tools. Universal Welder Corp., Cleveland, Ohio.
TOOL-CRAFT—Tool steel welding electrodes. Allied Weld-Craft, Inc., Indianapolis, Ind.
TOOLFACE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
TOOLFACER—Alloy tool steel welding electrode. Hobart Brothers Co., Troy, Ohio.
TOOLWELD—Shielded arc type welding electrode. The Lincoln Electric Co., Cleveland, Ohio.
TOPPER—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
TORCHETTE—Burner igniter. Eclipse Fuel Engineering Co., Rockford, Ill.
TORCHWELD—Welding and cutting apparatus and acetylene generator. Torchweld Equipment Division, National Cylinder Gas Co., Chicago, Ill.
TORCO—Vises. Wilton Tool Mfg. Co., Chicago, Ill.
TORIT—Dust collectors and exhausters. Torit Manufacturing Co., St. Paul, Minn.
TORRENT—Power spray washer. Phillips Manufacturing Co., Chicago, Ill.
TOTALUME—Rust preventive aluminum paint. The Wilbur & Williams Co., Boston, Mass.
TOTRUST—Rust preventive paint. The Wilbur & Williams Co., Boston, Mass.
TOUGH DEVIL—Manganese-nickel electrodes. The Champion Rivet Co., Cleveland, Ohio.
TOURNACAR—Welding truck. R. G. LeTourneau, Inc., Peoria, Ill.
TOURNAWELD—Welding and hard-facing electrodes. R. G. LeTourneau, Inc., Peoria, Ill.
TOURNAWELD 35, 77, 78, 88—Welding rod. R. G. LeTourneau, Inc., Peoria, Ill.
TOURNA WELD HF—Hard-facing rod. R. G. LeTourneau, Inc., Peoria, Ill.
TRACTOR-STRIP—Spatter preventive. Marquette Mfg. Co., Inc., Minneapolis, Minn.
TRACTRED—Turning rolls for welding, grinding and assembling. Aronson Machine Co., Arcade, N. Y.
TRAKALOY—Hard-facing impact electrodes. Bergstrom Alloys Corp., Reno, Nev.
TRAKALOY—Track rail rod. Industrial Overlay Metals Inc., Eaton, O.
TRAMBEAM—Overhead trolley systems. Whiting Corp., Harvey, Ill.
TRANS-ARC—Transformer-type arc welder. American Transformer Co., Newark, N. J.
TRANSITE—Asbestos-cement pipe. Johns-Manville, New York, N. Y.
TRANSPO—Metal and parts cleaner. Turco Products, Inc., Los Angeles, Calif.
TRAV-LIFT—Electric crane. Harnischfeger Corp., Milwaukee, Wis.
TRAVEL-CUT—Wire straightening and cutting machine. The Lewis Machine Co., Cleveland, Ohio.
TRAVOGRAPH—Oxy-acetylene cutting machine. Air Reduction Sales Co., New York, N. Y.
TRENTWELD—Stainless steel tubing. Trent Tube Co., Div., Crucible Steel Co., Pittsburgh, East Troy, Wis.
TRIAD—Pipe thread stocks and dies. Nye Tool Co., Chicago, Ill.
TRI-ARC—Carbon arc torch. Tri-Arc Corp., Chicago, Ill.
TRIBLOC—Chain hoists. Ford Chain Block, Div. of Amer. Chain & Cable Co., Inc., York, Pa.
TRICLENED—Metal degreasing solvent. E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.
"TRI-PHASE"—Resistance welder. The Taylor-V-Infield Corp., Warren, Ohio.
TRI-FLUX—Soldering flux. Wolfe-Kote Co., Sheboygan, Wis.
TRI-FLUX NO. 3, 5, 20—Flux. Wolfe-Kote Co., Sheboygan, Wis.
TRI-LINE—Welding hose. Burdett Oxygen Co., Cleveland, Ohio.
TRIMO—Pipe wrenches, tube cutters and strap wrenches. Trimont Manufacturing Co., Roxbury, Mass.
TRIMOPATTERN—Pipe cutting wheels, etc. Collmar Bros., South Bend, Ind.
TRINDL—A-C AC arc welders, torches, helmets, welding rods and accessories. Trindl Products, Ltd., Chicago, Ill.
TRIPL-FLINT—Torch lighter. Modern Engineering Co., Inc., St. Louis, Mo.
TRIPLE-DUTY LENSES—Spatterproof cover lenses. Thermacote Co., Los Angeles, Calif.
TRIPLE-LOK—Tube fittings. The Parker Appliance Co., Cleveland, Ohio.
TRIPLEX—Pipe threading stock. Nye Tool Co., Chicago, Ill.
TRIPLETT & BARTON—X-Ray and ultrasonic inspection equipment and numbering machines. Triplett & Barton, Inc., Burbank, Calif.
TRIPLE "A"—Safety signs. The Acromark Co., Elizabeth, N. J.
TRIPLOC—Plugs and receptacles. Pyle-National Co., Chicago, Ill.
TRIUMPH—Chains. Bridgeport Chain & Mfg. Co., The, Bridgeport, Conn.
TRODALOY—Electrode material for resistance welding. General Electric Co., patents by Ampco Metal, Inc., Milwaukee, Wis.; Electroloy Co., New York, City; P. R. Mallory Co., Indianapolis, Ind.; Welding Sales and Engineering Co., Detroit, Mich.
TROJAN—Mono rail tractor. Detroit Hoist and Machine Co., Detroit, Mich.
TROXIDE—Dry acid pickling compound. Waverly Petroleum Products Co., Philadelphia, Pa.
TRU-FLUX—Soldering syrup. American Chemical Process Co., Long Island City, N. Y.
TRU-LAY—Performed wire rope. American Cable Div. of American Chain & Cable Co., Inc., Wilkes-Barre, Pa.
TRU-STEEL—Sand blast abrasives. American Wheelabrator & Equip. Corp., Mishawaka, Ind.
TRUK-A-BOUT—Cylinder truck. C. W. Young Mfg. Corp., Syracuse, N. Y.
TRUMARK—Protractors. Tru-line Corp., Santa Monica, Calif.
TRUMBULL—Switches and industrial control equipment. The Trumbull Electric Manufacturing Co., Plainville, Conn.
TRI-2-RIP—Leather palm welding gloves. Montpelier Glove Co., Montpelier, Ind.
TU-LINE—Twin oxy-acetylene hose. Quaker Rubber Corp., Philadelphia, Pa.
TUBE BORIUM—Hard-facing rods and electrodes. Stoody Co., Whittier, Calif.
TUBE STOODITE—Hard-facing rods. Stoody Co., Whittier, Calif.
TUBE-O-FLUX—Silver brazing alloy kits. American Products Corp., Chicago, Ill.
TUBE-TUNGSITE—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
TUBE-TURN—Welding fittings and flanges. Tube Turns, Inc., Louisville, Ky.
TUC-AWAY—Spectacle type safety goggles. Watchemoket Optical Co., Inc., Providence, R. I.
TUF-COTE—Lens coating against pitting. Bausch & Lomb Optical Co., Rochester, N. Y.
TUF-COTE—Lens coating against pitting. Wallace Optical Co., Inc., Detroit, Mich.
TUFANHARD—Hard-facing electrode. Hobart Brothers Co., Troy, Ohio.
TUFBOY—Steel tape rule. Master Rule Mfg. Co., Middletown, N. Y.
TUFFALOY—Resistance welding alloys. Welding Sales & Engineering Co., Detroit, Mich.
TUFFLINE—Welding resistors, junction boxes, cable connectors, welders' inspection lamps and lights, plugs and receptacles, flood lights and spotlights, circuit-breaker panels and streamer lights. C. H. Stevens & Co., Cornwall Bridge, Conn.
TUFF WELDER—Leather welding gloves. E. J. Streichert, Chicago, Ill.
TUFWELD—Welding lenses and plates. Sellstrom Mfg. Co., Chicago, Ill.
TUGIT—Ratchet lever hoists. Manning, Maxwell & Moore, Inc., Muskegon, Mich.
TUKON—Hardness testers. Wilson Mechanical Instrument Co., Inc., New York City.
TUMBLAST—Metal parts cleaning machines. American Wheelabrator & Equip. Corp., Mishawaka, Ind.
TU-LINE—Welding hose. Quaker Rubber Corp., Philadelphia, Pa.
TUNG-ALLOY—A hard surfacing alloy. The Resisto-Loy Co., Grand Rapids, Mich.
TUNGROD—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
TUNGWELD—Welding electrodes. The Lincoln Electric Co., Cleveland, Ohio.
TURBINAIR—Hoists. Jay Mfg. Co., Pittsburgh, Pa.
TURCO AGITON—A compound for cleaning metals Turco Products, Inc., Los Angeles, Calif.
TURCO AIRLION 81—Compound for cleaning metals. Turco Products, Inc., Los Angeles, Calif.
TURCO CONSISTO-WELD—Preparation of aluminum alloys for spot welding. Turco Products, Inc., Los Angeles, Calif.
TURCO VULCO-ETCH—Preparation of aluminum for spot welding. Turco Products, Inc., Los Angeles, Calif.
TURNER—Blow torches, fire pots, soldering irons and bronze. Turner Brass Works, Sycamore, Ill.
TURRETYPE—Arc welding shields. Dockson Corp., Detroit, Mich.
TWECO—Electrode holders, cable lugs, ground clamps, ground hooks, wedges and cable connectors. Tweco Products Co., Wichita, Kan.
TWECOLUG—Welding cable lug. Tweco Products Co., Wichita, Kan.
TWECO-SPLICER—Welding cable splicer. Tweco Products Co., Wichita, Kan.
TWECOTONG—Welding electrode holders. Tweco Products Co., Wichita, Kan.
TWEEZER WELD—Automatic and bench spot welders. Tweezer Weld Corp., Newark, N. J.
TWENTIETH CENTURY—A-C arc welder and carbon torches. Twentieth Century Welder Mfg. Co., Minneapolis, Minn.

25-20 STAINLESS—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TWIN-CONNECTOR—Cable connector spud. Tweco Prod. Co., Wichita, Kansas.
TWIN THERMATORCH—Carbon arc torch. Plymouth Equipment & Supply Co., Plymouth, Mich.
TWINLINE—Oxygen and acetylene welding hose. Eastern Equipment Co., Willow Grove, Pa.
TWINWELD—Double hose molded into a single unit. Hewitt Rubber Corp., Buffalo, N. Y.
TWISTITE—"C" clamp with a positive ground cable connection used as a ground clamp. National Clamp Co., Jackson, Mich.
TWO-TONE HC—Alloyed high carbon rod. Resisto-Loy Co., Grand Rapids, Mich.
TWO-TONE TH—Alloyed rod. Resisto-Loy Co., Grand Rapids, Mich.
TYPE A—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE A—Hard facing electrodes. Industrial Overlay Metals Inc., Eaton, O.
TYPE AWL—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE B—Hard facing electrodes. Industrial Overlay Metals Inc., Eaton, O.
TYPE CF—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE CT—Tubular steel electrode. Metal & Thermit Corp., New York, N. Y.
TYPE CW—Waterproofed electrode for underwater welding and cutting. Metal & Thermit Corp., New York, N. Y.
TYPED DIES—Forging and stamping dies. Die Typing Corp., Detroit, Mich.
18-8 MO—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE F ELECTRODE—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE FHP ELECTRODE—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE HTS—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE M—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE MA—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE N—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE 90—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE 135—DUSTCOAT-ROD—Electrodes. Marquette Mfg. Co., Minneapolis, Minn.
TYPE RC—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE 347—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE 310—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE S—Work-hardening electrodes. Bergstrom Alloys Corp., Reno, Nev.
TYPE U—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
TYPE X—Cleaner for iron & steel. Turco Products, Inc., Los Angeles, Calif.

U

U ALLOY—White metal welding rod. Universal Power Corp., Cleveland, Ohio.
UCC—Welding products. Union Carbide and Carbon Corp., New York, N. Y.
UDD—Tubing. United Wire & Supply Corp., Providence, R. I.
U-LOY—Copper bearing steel sheets. Republic Steel Corp., General Offices, Cleveland, Ohio.
U. S.—Welding, cutting, lead burning and carbon removing equipment, acetylene generators, preheating torches, accessories and supplies. Harris Calorific Co., Cleveland, Ohio.
U. S.—Electric drills, grinders and buffers. The United States Electrical Tool Co., Cincinnati, Ohio.
U. S.—A-C arc welders and electrode holders. U. S. Electric Welder Corp., Toledo, Ohio.
U. S. AUTOMATIC—Automatic welding, brazing and cutting torches. Harris Calorific Co., Cleveland, Ohio.
U. S. ROYAL—Welding cable. United States Rubber Co., New York, N. Y.
U. S. S. A-R—Abrasion resisting steel. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S. MX—Free-machining bessemer bar stock. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S.—Stainless steel. Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
U. S. S. AMERICAN TIGER BRAND—Wire rope slings. Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
U. S. S. CARILLOY—Alloy steel. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S. COR-TEN—High strength steel. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S. MAN-TEN—High strength steel. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S. SUPERKORE—Alloy steel. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S. VITRENAMEL—Enameling grade steel. Carnegie-Illinois Steel Corp., Div. of U. S. Steel Corp., Pittsburgh, Pa.
U. S. S. TENNESSEE—Bars, plates & shapes. Tennessee Coal, Iron & Railroad Co., Birmingham, Ala.
USS—Steel products. United States Steel Corp.
ULTRA-SPEED—Multiple spot welder. Federal Machine and Welder Co., Warren, Ohio.
UNION—Calcium carbide. Dominion Oxygen Company, Ltd., Toronto, Ont., Canada.
UNION CARBIDE—Calcium carbide. The Linde Air Products Co., New York, N. Y.
UNIONMELT—Welding equipment for submerged melt welding. Linde Air Products Co., New York, N. Y.
UNI-CRIMP—Wire terminal. H. B. Sherman Mfg. Co., Battle Creek, Mich.
UNI-FLEX—Flexible shaft machine. Dumore Co., The, Racine, Wis.
UNIFLEX—Welding cables. Uniflex Cable Co., Detroit, Mich.
UNIPAR—Thread sealing compound. The Parker Appliance Co., Cleveland, Ohio.
UNI-PULSE—Condenser discharge spot and seam welder. Federal Machine and Welder Co., Warren, Ohio.
UNIQUE—Preheating torches burning either kerosene or gasoline. Unique Manufacturing Co., Chicago, Ill.
UNISHEAR—Hand operated metal cutting shears and machine shears. Stanley Electric Tools Div., The Stanley Works, New Britain, Conn.
UNISTAGE—Air compressor. Schramm, Inc., West Chester, Pa.
UNITAIR—Compressors. Joy Mfg. Co., Pittsburgh, Pa.
UNITED—Portable fume exhausters. United Blower Co., Inc., New York, N. Y.
UNITED STATES GAUGE—Oxy-acetylene gauge. United States Gauge Div., American Machine and Metals, Inc., Sellersville, Pa.
UNITED-WIRE—Seamless tubing and drawn wire. United Wire & Supply Corp., Providence, R. I.
UNITEX—Brickfire. Quigley Co., Inc., New York, N. Y.
UNIMATIC—Spot welder. Unitec Corp., Pasadena, Calif.
UNIVERSAL No. 1200—Silver brazing fluxes. The American Platinum Works, Newark, N. J.
UNIVERSAL—Machine for inserting and removing valves from compressed gas cylinders. Independent Engineering Co., O'Fallon, Ill.
UNIVERSAL—Spark lighter. Matchless Utilities Co., Brooklyn, N. Y.
UNIVERSAL—Metalspray gun. Metalspray Co., Los Angeles, Calif.
UNIVERSAL—Grinding wheels and sharpening stones. Universal Wheel & Abrasive Corp., Chicago, Ill.
UNIVERSAL—Welding torch. National Cylinder Gas Co., Chicago, Ill.
UNIVERSAL—Spot, butt, seam, projection, press, bench, multi spot welders and resistance welding controls and equipment. Universal Welder Corp., Cleveland, Ohio.
UNIVERSAL—Welding ground clamp. Mueller Electric Co., Cleveland, Ohio.
UNIVERSAL BALANCED—Welding positioners, assembling and work holding positioners. Aronson Machine Co., Arcade, N. Y.
UNIVERSAL PRESSURE—Welding and cutting torches. Harris Calorific Co., Cleveland, Ohio.
UNOX—Penetrant. Carbide and Chemical Div. of Union Carbide and Carbon Corp., New York, N. Y.
UPTON—Heat treading furnaces. Commerce Pattern & Machine Co., Detroit, Mich.
UTIL-A-TOOL—Push and pull jacks. Templeton, Kenly & Co., Inc., Chicago, Ill.
UTICA TOOLS—Pliers and wrenches. Utica Drop Forge & Tool Corp., Utica, N. Y.
UTILITY—Bench & floor grinders. Clizbe Bros. Mfg. Co., Plymouth, Ind.
UTILITY—Floodlights. Benjamin Electric Mfg. Co., Des Plaines, Ill.

V

V-R—Carbide tools, blank & dies. Vascoloy-Ramet Corp., Waukegan, Ill.
V-MANG—Welding rods and electrodes. American Manganese Steel Div., American Brake Shoe Co., Chicago Heights, Ill.
VALENCIA—Abrasive grain pumice. Whittaker, Clarke & Daniels Inc., New York, N. Y.
VALVALOY—Cast high alloy material. Wearaloy Co., Los Angeles, Calif.
VALVE-ALLOY—Impact resistant alloy. Resisto-Loy Co., Grand Rapids, Mich.
VALVELOY—Hard surfacing alloy. Resisto-Loy Co., Grand Rapids, Mich.
VANCO—Percussive butt welders. The Taylor-Winfield Corp., Warren, Ohio.
VANDE—Metallizing gun; air regulator and fitter; wire feeding machine; spray lathe and shaft repairing tool. Vande Manufacturing Co., Chicago, Ill.
VAN DORN—Chipping hammers and tools, bench grinders, portable electric grinders, grinding wheels, sanders and surfacers. Van Dorn Electric Tool Co., Towson, Md.
VANGTRONIC—Stored energy weld panels and bench welders. Vangtronic Corp., Bridgeport, Conn.
VANO—Blowers. Coppus Engineering Corp., Worcester, Mass.
VANOL—Magnetic ground. Vanol Corp., St. Louis, Mo.
VANOX—Vanadium steel rod. Central Steel & Wire Co., New York, N. Y.
VAPE-SORBER—Oil, vapor removal from air and gas lines. Selas Corp. of America, Philadelphia, Pa.
VAPO-KLEEN—Vapor degreaser. Phillips Mfg. Co., Chicago, Ill.
VAPOR-TITE 40—Inspection equipment, fluorescent ltg., Des Plaines, Ill.
VARI-LINE—Cable connectors. Burndy Engineering Co., New York, N. Y.
VARILUG—Terminal for welding cable. Burndy Engineering Co., Inc., New York, N. Y.
VELOCITY POWER—Cable power. Mine Safety Appliances Co., Pittsburgh, Pa.
VENTA-MINE—Exhaust fans. Guyan Mach. Co., Logan, W. Va.
VENTAIR—Blowers. Coppus Engineering Corp., Worcester, Mass.
VENTURE—Synthetic rubberized tubing. E. I. du Pont de Nemours and Co., Inc., Wilmington, Del.
VER.TAS—Grinding wheel dressers. Sandvik Saw & Tool, New York, N. Y.
VERNIER-SET—Interval timers. Automatic Temperature Control Co., Inc., Phila., Pa.
VACU-BLASTER—Dustless grit blasting equipment. Vacu-Blast Co., Inc., San Mateo, Calif.
VERSI-LINK—Connector. Burndy Engineering Co., New York, N. Y.
VERSI-LUG—Clamp type lug. Burndy Engineering Co., New York, N. Y.
VERSI-TAP—Tee, splice or parallel connector. Burndy Engineering Co., Inc., New York, N. Y.
VERSON—Bending brakes, bending and trimming and stamping dies. Verson Allsteel Press Co., Chicago, Ill.
VERTEX—Arc welding electrode. Metal & Thermit Corp., New York, N. Y.
VEVAC—Underwater jetting nozzle. Craftsweld Equipment Corp., Long Island City, N. Y.
VIBRATION SERVICE—Incandescent lamps. Champion Lamp Works, Lynn, Mass.
VIBRA WELD—Cold welder and bonder. Mid-States Equipment Corp., Chicago, Ill.
VIBRO-ARC—Magnetic motor driven electrode holder. Glenn-Roberts Co., Oakland, Calif.
VICPHOSCO—Phosphor bronze electrodes. Victor Equipment Co., San Francisco, Calif.
VICSILCO—Silicon bronze electrodes. Victor Equipment Co., San Francisco, Calif.
VICTOR—Hose. Mulconroy Co., Philadelphia, Pa.
VICTOR—Balata belting. Victor Balata & Textile Belting Co., New York, N. Y.
VICTOR—Welding and cutting torches, pressure reducing regulators, flowmeters, acetylene gas generators, cylinder manifolds, welding rods and electrodes, fluxes, electrode holders and accessories and supplies. Victor Equipment Co., San Francisco, Calif.
VICTOR—Welding and power cable. Victor Electric Wire & Cable Corp., Clifton, N. J.
VICTOR—A-C welders and welding cable. Victor Welding and Mfg. Co., New York, N. Y.
VICTORY POINTS—Grinding wheels. Simonds Abrasive Co., Philadelphia, Pa.
VICTROMETER—A flowmeter for pressure regulators. Victor Equipment Co., San Francisco, Calif.
VICTRON—Exhaust fans. Victor Electric Products, Inc., Cincinnati, Ohio.
VIKING—Fire brick. Mexico Refractory Co., Mexico, Mo.
VISE-GRIP—Welding clamps & wrenches. Petersen Manufacturing Co., Inc., De Witt, Neb.
VISEPRESS—Combination hydraulic vise and press. Studebaker Machine Co., Chicago, Ill.
VISE WRENCH—Quick-acting toggle type wrench. Knu-Vise, Inc., Detroit, Mich.
VITALIZER—Filter-lubricator. Norgren Co., C. A., Denver, Colo.
VIXEN—Milled curved tooth files. Heller Brothers Co., Newark, N. J.
VOGEL—Cut-off machine, tubing. Vogel Tool & Die Corp., Chicago, Ill.
VULC-ALLOY—Steel alloy chain. The Cleveland Chain & Mfg. Co., Cleveland, Ohio.
VULCAN—Electrode holders. The Fibre-Metal Products Co., Chester, Pa.
VULCAN—Stress relieving furnaces. Vulcan Corp., Philadelphia, Pa.
VULCAN—Electric soldering irons, melting pots for solder, glue, waxes and compounds and electric heaters. Vulcan Electric Co., Danvers, Mass.
VULCAN—Clamps, lathe dogs, chain pipe tongs and vises, hoist hooks, eye bolts. J. H. Williams & Co., Buffalo, N. Y.
VULCAN UNIVERSAL—Brazing outfits, preheating and annealing burners, soldering pots and brazing and preheating torches. Purity Cylinder Gases, Inc., Grand Rapids, Mich.
VULCOID—Material used in the head harness of welder's helmets. Selistrom Mfg. Co., Chicago, Ill.
VYCOR BRAND—Heat resisting glass. Corning Glass Works, Corning, N. Y.

W

W BOROLON—Grinding wheels. Simonds Abrasive Co.,
WGP—Fluxes. Welding Gas Products Co., Chattanooga, Tenn.
W. K. S.—Oxy-Acy. cylinder truck. Pioneer Welding Mfg. Co., Kalamazoo, Mich.
W. O. NO. 1—Rust remover. Turco Products, Inc., Los Angeles, Calif.
WW-1, 2, 3, 5, 7, 8—Resistance welding electrodes. Weiger, Weed & Co., Detroit, Mich.
WAITCUS—Spot welder. The Central Sales Corp., Chicago, Ill.
W-ALCO—Welding fluxes, welding lenses and aluminum electrodes. Welding Alloys Mfg. Co., Newark, N. J.
WALCO—Pipe wrench. Walworth Co., New York, N. Y.
WALL—Oxygen, acetylene, hydrogen and equipment. Wall Chemicals Div., The Liquid Carbonic Corp., Chicago, Ill.
WALLACE—Bending machines. Wallace Supplies Mfg. Co., Chicago, Ill.
WALLEX—Hardfacing alloy rod and powder. Wall Colmonoy Corp., Detroit, Mich.
WALLTITE—Blast burner. Eclipse Fuel Engineering Co., Rockford, Ill.
WALSEAL—Valves, fittings and flanges. Walworth Co., New York, N. Y.
WALWORTH—Valves, fittings and pipe wrenches. Walworth Co., New York, N. Y.
WARCO—Presses and press brakes. The Federal Machine & Welders Co., Warren, Ohio.
WARDEN—Shut off valve. Security Valve Co., Los Angeles, Calif.
WARWICK—Wrought iron hoisting chains. Newhall Chain Forge & Iron Co., Westwood, N. J.
WASP—DC arc welder. Air Reduction Sales Co., New York, N. Y.

WAVERLESS FLAME—Oxygen regulator of the 2-stage or multi-stage type. K-G Welding & Cutting Co., Inc., New York, N. Y.
WAYNE—Flux. Wayne Chemical Products Co., Detroit, Mich.
WAYNE SOLDERING FLUX—Soldering flux. Wayne Chemical Products Co., Detroit, Mich.
WEAR ARC—Electrodes, hard-facing. Alloy Rods Co., York, Pa.
WEARALOY—Cast alla ..ds. Wearaloy Co. ..s Angeles, Calif.
WEAR-CRAFT—Manganese-nickel electrodes. Allied Weld-Craft, Inc., Indianapolis, Ind.
WEAR DEVIL—Hard-facing electrodes. Champion Rivet Co., Cleveland, Ohio.
WEAR DEVIL "A"—Hard-surfacing. The Champion Rivet Co., Cleveland, Ohio.
WEAREVER—Scratch brush. Universal Power Corp., Cleveland, Ohio.
WEARWELD—Welding electrode. Lincoln Electric Co., Cleveland, Ohio.
WEBB—Plate bending rolls. The Webb Corp., Webb City, Mo.
WEBB STEELWORKER—Combination punch and shear. The Webb Corp., Webb City, Mo.
WEDGE-GRIP—Wire connector. H. B. Sherman Mfg. Co., Battle Creek, Mich.
WEDGE-LOCK—Steel Shelving. Berger Mfg. Div. of Republic Steel Corp., Canton, O.
WEGEWELL—Bronze welding rods. Titan Metal Mfg. Co., Bellefonte, Pa.
WEIGER-WEED—Resistance welding electrodes. Fansteel Metallurgical Corp., N. Chicago, Ill.
WEIGER-WEED—Spot seam and projection welding electrodes, electrode holders and tungsten carbide inserts. Weiger, Weed & Co., Division of Fansteel Metallurgical Corp., Detroit, Mich.
WELCO—Oxygen and acetylene. Welding Gas Products Co., Chattanooga, Tenn.
WELCO—Safety goggles. Welsh Mfg. Co., Providence, R. I.
WELDA—Welding lenses. Harry Buegeleisen, Inc., Brooklyn, N. Y.
WELD-A-CAST—Fluxes for oxy-acetylene welding. Cartland Welding Compound Co., Cortland, N. Y.
WELD-AIRMATIC—Air conversion unit for manual operated R. A. Spot welders. Robt. W. Hoffman Co., Chicago, Ill.
WELD-ARC—Electrodes, high tensile, low hydrogen and mild steel. Alloy Rods Co., York, Pa.
WELDCO—Arc welding electrodes, arc welders and accessories. Welding Service Sales, Inc., San Francisco, Calif.
WELDCO—Chain-tubing. The Youngstown Welding & Engineering Co., Youngstown, Ohio.
WELD-CRAFT—Hard-facing electrodes. Allied Weld-Craft, Inc., Indianapolis, Ind.
WELDER—A. C. arc welding generator. A. C. Devices & Products, Chicago, Ill.
WELD-CUT-PAL KIT—Welding and cutting outfits. Burdett Oxygen Co., Cleveland, Ohio.
WELDELL—Forged steel pipe fittings. Taylor Forge and Pipe Works, Chicago, Ill.
WELDERS ELGIN—Welding rods. Borm Manufacturing Co., Elgin, Ill.
WELDER'S MOULDING COMPOUND—Carbon compound. Harris Calorific Co., Cleveland, Ohio.
WELD-FAST—Bronze welding rods. Revere Copper and Brass, Inc., New York, N. Y.
WELD FLUX RS-3L—Pneumatic scaling hammer. Dallet Co., The, Philadelphia, Pa.
WELD FLUX SCALER—Air chisel equipment. The Dallet Co., Philadelphia, Pa.
WELD-O-TROL—Electronic controls, seam and spot welding contactors. Westinghouse Electric Corp., E. Pittsburgh, Pa.
WELDALOY—Spot welding tips, wheels, holders, bar stock alloys and castings. Weldaloy Mfg. Co., Detroit, Mich.
WELDERS—Welding torches, cutting attachments, oxygen and acetylene regulators, cutting, soldering and brazing torches, carbonic and air regulators. The Welders Supply & Mfg. Co., Cincinnati, Ohio.
WELDER'S EYE EASE—Eye lotion. Detroit First Aid Co., Detroit, Mich.
WELDER'S EYE LOTION—Eye lotion. Ashton's Drug Stores, Youngstown, Ohio.
WELDER'S PAL—Eye drops. Carhoff Co., Cleveland, Ohio.
WELDERULE—Slide rule. General Electric Co., Schenectady, N. Y.
WELDERZ FREND—Acetylene generator. Welderz-Frend Generator Co., Lubbock, Tex.
WELDEX—Resistance welding machines, transformers and accessories. Weldex Inc., Detroit, Mich.
WELDFLO—Coated welding electrodes. Williams and Co., Inc., Pittsburgh, Pa.
WELDING MACHINES—Spot, seam, gun, projection and multi-spot resistance welding. Welding Machines Mfg. Co., Detroit, Mich.
WELDIT—Welding and cutting torches, supplies, accessories, etc. Weldit, Inc., Detroit, Mich.
WELDIT AUTOMATIC TORCH—Automatic welding torch. Weldit, Inc., Detroit, Mich.
WELDIT GASAVER—Valves. Weldit, Inc., Detroit, Mich.
WELDITE—Electrodes and welding rods. Chicago Steel and Wire Co., Chicago, Ill.
WELDMASK—Compound. Turco Products, Inc., Los Angeles, Calif.
WELDMASTER—Welding equipment. Modern Engineering Co., Inc., St. Louis, Mo.
WELDMITE—Arc welders. Sterling Utilities Co., Inc., Brooklyn, N. Y.
WELDMORE—Carbon arc welding electrode. Lincoln Electric Co., Cleveland, Ohio.
WELDOLETS—Welding fittings. Bonney Forge and Tool Works, Allentown, Pa.
WELDOMATIC—Automatic arc welding head, control and machines. Westinghouse Electric Corp., East Pittsburgh, Pa.
WELDOR'S—A-C arc welding generator. The A-C Devices Co., Chicago, Ill.
WELD-O-TRON—D-C precision, low current arc welder. Allis Chalmers Mfg. Co., Milwaukee, Wis.
WELDPOWER—A. C. and stored energy resistance welders and controls. Raytheon Mfg. Co., Waltham, Mass.
WELD PROBER—Portable machine for removing specimens from butt welded mild steel. Uses hemispherical saw to remove specimens for weld inspection. The Fibre-Metal Products Co., Chester, Pa.
WELDRAWN—Welded and cold drawn tubing in stainless steels, nickel and nickel alloys and beryllium copper. Superior Tube Co., Norristown, Pa.
WELDRITE POROSEAL—Compound. Electric Welding Machine Co., Detroit, Mich.
WELDRITE WELDERS—Seam, arc spot and butt electric welding machines. Electric Welding Machine Co., Detroit, Mich.
WELD-ON—Plow share edges, cultivator points, lister share points, planter runner edges, etc. Osmundson Spade Mfg. Co., Perry, Ia.
WELD-O-TRON—Electronic arc welder. Allis-Chalmers Mfg. Co., Milwaukee, Wis.
WELD-PROBER—Portable machine to examine the quality and soundness of the weld. The Fibre-Metal Products Co., Chester, Pa.
WELD-X—Spatter preventative. Kelite Products Inc., Los Angeles, Calif.
WELLS—Metal cutting band saws. Wells Mfg. Corp., Three Rivers, Mich.
WELSHADE—Welding lenses of spectacle type goggles. Welsh Mfg. Co., Providence, R. I.
WELSHARD—Chippers, goggles and lenses. Welsh Manufacturing Co., Providence, R. I.
WELSHWELD—Goggles, helmets, and lenses for same. Welsh Mfg. Co., Providence, R. I.
WELTRONIC—Electronic controls. Weltronic Co., Detroit, Mich.
WEN-LYN—Pneumatic, chipping and scaling hammer. Wen-Lyn Products, Burbank, Calif.
WESLAC—Welding cement. Wesley Lacquer Co., Brooklyn, N. Y.
WESLO—Chain. Western Chain Co., Chicago, Ill.
WESTON—Differential chain hoists. David Round & Son, Cleveland, O.
WETOIL—Non acid flux. Farrelloy Co., Philadelphia, Pa.
WESTINGHOUSE—Electric arc welding equipment. Westinghouse Electric Corp., E. Pittsburgh, Pa.
WETZLER—Adjustable clamps. Wetzler Clamp Co., Long Island City, N. Y.
WETZLER WELDMASTER NO. 88—Clamps. Wetzler Clamp Co., Long Island City, N. Y.
WHARTON—Gas cylinders for oxygen, hydrogen, etc. Taylor-Wharton Iron and Steel Co., Easton, Pa.
WHEELABRATOR—Grit blasting equipment. American Wheelabrator & Equip. Corp., Mishawaka, Ind.
WHEELER—Plow points. Star Mfg. Co., Division of Tilinois Iron & Bolt Co., Carpentersville, Ill.
WHEELRITE—Cylinder trucks. Weldrite Co., Inc., Long Island City, N. Y.
WHIPPET—Electric hoist. Ford Chain Block Div. of Amer. Chain & Cable Co., Inc., York, Pa.
WHIRLWIND—Wire wheel brushes. The Black & Decker Mfg. Co., Towson, Md.
WHIRLWIND—Air cooling system. Ergolyte Mfg. Co., Philadelphia, Pa.
WHIRLWIND—Wire wheel brushes. Van Dorn Electric Tool Co., Towson, Md.
WHITE FLASH—Shielded arc electrodes. Central Steel and Wire Co., Chicago, Ill.
WHITE FLUX COATED 18-8 STAINLESS STEEL—Steel Sales Corp., Chicago, Ill.
WHITE'S METAL—White metal welding rod. L. B. White Co., LaCrosse, Wis.
WHITTEMORE—Strain gauge. Baldwin Southwark Division. The Baldwin Locomotive Works, Philadelphia, Pa.
WHIZ—Compound. R. M. Hollingshead Corp., Camden, N. J.
WICKWIRE—Wire rope slings. Wickwire Spencer Steel Co., New York, N. Y.
WIESE WORLD BRAND—Cultivator shovels and sweeps. Wiese Plow Welding Co., Perry, Iowa.
WIL-WELD—Welding fluxes. Tolman Manufacturing Co., Boston, Mass.
WILL-WELD—AC welding equipment. Will-Weld Mfg. Co., Omaha, Neb.
WILLIAMS—Wrenches, tool holders, pliers, screw drivers, punches and chisels. J. H. Williams & Co., Buffalo.
WILLIAMS—Welding wire, accessories and supplies. Williams & Co., Pittsburgh, Pa.
WILLSON—Goggles, respirators, gas masks, welding helmets, shields, etc. Willson Products, Inc., Reading, Pa.
WILLSONITE—Welding glass. Willson Products, Inc., Reading, Pa.
WILLSONITE SUPER-TOUGH—Glass used for welding goggles. Willson Products, Inc., Reading, Pa.
WILLSON-WELD—Glass used for welding goggles and helmets. Willson Products, Inc., Reading, Pa.
WILMINGTON FIBRE—Vulcanized fibres available in sheets, rods, tubes and shapes, such as electrode holder handles, knobs, washers, shims, etc. Wilmington Fibre Specialty Co., New Castle, Wilmington, Del.
WILTON—Vises and C clamps. Wilton Tool Manufacturing Co., Chicago, Ill.
WINGFOOT—Corrugated welding hose. Goodyear Tire and Rubber Co., Inc., Akron, Ohio.
WINTERGARDE—Fire extinguisher. Pyrene Manufacturing Co., Newark, N. J.
WISCONSIN—Air-cooled engines. Wisconsin Motor Corp., Milwaukee, Wis.
WISSCO—Gas and electric welding wire. Wickwire Spencer Steel Co., New York, N. Y.
WITT—Welding gas pressure gauges. Witt Gauge Co., Eau Claire, Wis.
WIZARD JR.—Chrome-clad tape-rules. The Lufkin Rule Co., Saginaw, Mich.
WODACK DO-ALL—Combination electric drill and hammer. Wodack Electric Tool Corp., Chicago, Ill.
WONDER FLUX—Silver brazing flux. Sherman & Co., Flushing, L. I.
WORK SHOP KIT—Welding outfits. Burdett Oxygen Co., Cleveland, Ohio.
WOVEN-GARD—Mitts, handpats, gloves, arm guards. Industrial Gloves Corp., Danville, Ill.
WOW No. 700—Brazing rod. Wow Welding Specialties Co., Chicago, Ill.
WRIGHT—Chain hoists. Wright Hoist Div. of Amer. Chain & Cable Co., Inc., York, Pa.
WW-1W-RWMA—Resistance welding electrodes. Weiger Weed & Co., Detroit, Mich.
WW-10W-RWMA—Resistance welding electrodes. Weiger Weed & Co., Detroit, Mich.
WW-20W-RWMA—Resistance welding electrodes. Weiger Weed & Co., Detroit, Mich.
WW-100W-RWMA—Resistance welding electrodes. Weiger Weed & Co., Detroit, Mich.
WW STERLITH—Grinding wheel. Sterling Grinding Wheel Div., The Cleveland Quarries Co., Tiffin, Ohio.
WYANDOTTE FS—Electro cleaner. Wyandotte Chemicals Corp., Wyandotte, Mich.
WYANDOTTE OR—Aluminum cleaner. Wyandotte Chemicals Corp., Wyandotte, Mich.
WYANDOTTE W. L. G.—Ferrous soak cleaner. Wyandotte Chemicals Corp., Wyandotte, Mich.
WYANDOTTE Z OR BALL—All purpose absorbent. Wyandotte Chemicals Corp., Wyandotte, Mich.
WYCO—Flexible shafts, flexible shaft grinders, buffers, machines, speed saws & grinding wheels. Wyzenbeek & Staff, Inc., Chicago, Ill.
WYPO—Welding and cutting torch tip cleaners. Maitlen & Benson, Inc., Long Beach, Calif.

X

X-54—Paint, lacquer and enamel stripper. Diversey Corp., Chicago, Ill.
XL—Hardened clear lens. Sellstrom Mfg. Co., Chicago, Ill.
X FLEX—Welding cables. Universal Welder Corp., Cleveland, Ohio.
XX SPECIAL—Welding rods. K-G Welding & Cutting Co., Inc., New York, N. Y.
XACTLINE—Temperature control. Claud S. Gordon Co., Chicago, Ill.
XCEL-FLUX—Welding and brazing compounds, kits, torch outfits and silver soldering paste. American Products Co., Chicago, Ill.
XRAVOGRAPH—Flame cutting machine. Air Reduction Sales Co., New York, N. Y.
XTRA-LITE—Plastic cover lens and plates. Sellstrom Mfg. Co., Chicago, Ill.

Y

YELLOW JACKET—Engine driven arc welder. Air Reduction Sales Co., New York, N. Y.
YELLOW STRAND—Wire rope. Broderick & Bascom Rope Co., St. Louis, Mo.
YELLOW-STRIPE—Aluminum oxide, papers and cloth. Clover Mfg. Co., Norwalk, Conn.
YORK'S—Tinning and boiler compounds. York Engineering Co., Chicago, Ill.
YORK'S No. 77—Brazing and welding flux. York Engineering Co., Chicago, Ill.
YOUNG BROTHERS—Industrial ovens. Young Brothers Co., Cleveland, Ohio.

Z

ZB—Blast burner. Eclipse Fuel Engineering Co., Rockford, Ill.
Z NICKEL—Nickel heat treatable alloy. The International Nickel Co., New York, N. Y.
ZETLAN—Fire retardants. Wayne Chemical Products Co., Detroit, Mich.
ZIP-LIFT—Electric hoist. Harnischfeger Corp., Milwaukee, Wis.
ZIP—Portable spot welder. Mid-States Welder Mfg. Co., Chicago, Ill.
ZIPPER-ET—Portable arc welder. Mid-States Welder Mfg. Co., Chicago, Ill.
ZYGLO—Inspection equipment and metals. Magnaflux Corp., Chicago, Ill.

FOR NAMES & ADDRESSES OF MANUFACTURERS, SEE NEXT PAGE

NAMES AND ADDRESSES

IN this section are arranged alphabetically the names of manufacturers of welding equipment, tools and supplies whose products are listed in the Classified List, together with their addresses. Only one address is given for each company, that being its main or general sales office, or the one otherwise specified by the company —except where manufacturing activities are so divided between two or more plants of a company that certain lines are produced in one plant while others are made elsewhere and orders should be placed according to the plants in which they are manufactured.

Disregard individual's initials or the word "The" in locating the name of a manufacturer. The name of a company such as D. B. Gorbound & Co. would be listed "Gorbound, D. B., & Co." Where the prefix "The" is used, a company is listed as follows: "Morgan Co., The." Where initials form the main part of a name, as, for instance, "B. & R. Pipe Co." the names of such companies are grouped with others of a similar type at the start of listings appearing under the first initial. For instance, "B. & R. Pipe Co." would be found among the first few names appearing under "B."

For convenience, we have generally used "Co." instead of "Company" and "Corp." instead of "Corporation," regardless of whether the company or corporation spells out the word. Similarly, we use "Inc." uniformly instead of "Incorporated."

A

A-A Welding Supply Company, 10610 S. Western Ave., Chicago 43, Ill.
A-C Devices and Products, 11-17 S. Desplaines St., Chicago 6, Ill.
Abrasive Products, Inc., 110 Pearl St., South Braintree, Mass.
Ace Drill Corp., 2600 E. Maumee, Adrian, Mich.
Acet-A-Tips Co., 5069 W. Madison St., Chicago 44, Ill.
Acetylene Co. of Utah, 366 W. Fifth St., N., Salt Lake City 3, Utah.
Acetylene Service Co., 1105 Zuni St., Denver 4, Colo.
Acme Elec. Welder Co., 2618 Fruitland Ave., Los Angeles 58, Calif.
Acme Mfg. Co., 1645 Howard St., Detroit 16, Mich.
Acme White Lead & Color Works, 8250 St. Aubin Ave., Detroit 11, Mich.
Acro Welder Mfg. Co., 1825 West St. Paul Ave., Milwaukee 3, Wisc.
Acromark Co., 9-13 Morrell St., Elizabeth 4, N. J.
Actarc Inc., 5806 Hough Ave., Cleveland 3, Ohio.
Adams Alloy Company, P.O. Box 286, Wakita, Okla.
Adjustable Clamp Co., 426 North Ashland Ave., Chicago 22, Ill.
Adler Mfg. Co., 5085 N. Broadway, Chicago 40, Ill.
Advance Glove Mfg. Co., 901 W. LaFayette St., Detroit 26, Mich.
Aerolt Products Co., Inc., Westley St., South Hackensack, N. J.
Aerovox Corp., 740 Belleville Ave., New Bedford, Mass.
Aetna Cylinders, Inc., 19345 John R St., Detroit 3, Mich.
Aget Detroit Co., 602 First National Bldg., Ann Arbor, Mich.
Agnew Electric Co., 123 S. Main St., Milford, Mich.
Air Filter Corp., 108 N. Water St., Milwaukee 2, Wisc.
Air Products, Inc., P.O. Box 538, Allentown, Pa.
Air Reduction Sales Co., Div., Air Reduction Co., Inc., 60 E. 42nd St., New York 17, N. Y.
Airtool Co., The, 176 West Adams St., Chicago 3, Ill.
Aircraft-Marine Products, Inc., 1523 N. Fourth St., Harrisburg, Pa.
Aircraft Standard Parts Co., 41 S. 6th St., Newark 7, N. J.
Aircraft Tools, Inc., 2306 E. 38th St., Los Angeles 11, Calif.
Ajax Elec. Co., Inc., Frankford Ave. at Delaware Ave., Phila. 23, Pa.
Ajax Electrothermic Corp., Ajax Park, Trenton 5, N. J.
Aladdin Rod & Flux Mfg. Co., 1300 Burton St., S. E., Grand Rapids 7, Mich.
Albertson Co., 3100 Lowell Ave., Sioux City 3, Iowa.
Alemite Div., Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill.
Alfco Laboratories, 2415 W. Belmont Ave., Chicago 18, Ill.
Aljay Mfg. Co., Inc., 1516 Callowhill St., Philadelphia 30, Pa.
All-State Welding Alloys Co., Inc., 273 Ferris Ave., White Plains, N. Y.
Allegheny Ludlum Steel Corp., H. W. Oliver Bldg., Pittsburgh 22, Pa.
Allen Co., L. B., 6730 Bryn Mawr Ave., Chicago 31, Ill.
Allen Electric & Equipment Company, 2101 North Pitcher St., Kalamazoo, Mich.
Allen Mfg. Co., W. D., 566 W. Lake St., Chicago, Ill.
Allen Optical Co., Sani Spray Division, 17 Allen St., Buffalo 2, N. Y.
Allied Prod. Co., 1133 Newport Ave., Chicago 13, Ill.
Allied Weld-Craft, Inc., 401 W. South St., Indianapolis 4, Ind.
Allmand Bros. Mfg. Co., 1315 4th Ave., Holdrege, Nebr.
Alloy Ring Service, 401 E. 30th St., Indianapolis 5, Ind.
Alloy Rods Co., Lincoln Hgwy. West, York, Pa.
Alloy Specialties Co., 2441 Waverly Ave., Swissvale 18, Pa.
Alloy Sprayer Co., 602 First Natl. Bk. Bldg., Ann Arbor, Mich.
Alpha Metals, Inc., 363 Hudson Ave., Brooklyn 1, N. Y.
Alphil Spot Welder Mfg. Co., 1058 Pacific St., Brooklyn 16, N. Y.
Al-Rod Co., The, 2136 Mallory St., San Bernardino, Calif.
Aluminum Co. of America, 801 Gulf Building, Pittsburgh 19, Pa.
Aluminum Solder Corp., 10 E. 52nd St., New York 22, N. Y.
Alwarth Chemical Corp., 366 Madison Ave., New York N. Y.
American Agile Corp., 5806 Hough Ave., Cleveland 3, Ohio.
American Allsafe Co., Inc., 1245 Niagara St., Buffalo 13, N. Y.
American Arc Welders, Inc., Roseau, Minn.
American Blower Corp., 8111 Tierman Ave., Detroit 32, Mich.
American Brass Co., The, American Metal Hose Branch, 698 So. Main St., Waterbury 20, Conn.
American Brass Co., The, 414 Meadow St., Waterbury 20, Conn
American Cable Div. of American Chain & Cable Co., Inc., 271 S. Pennsylvania Ave., Wilkes Barre, Pa.
American Car & Foundry Co., 30 Church St., New York 7, N. Y.
American Carbide & Chem. Corp., 3411 Pine St., St. Louis 3, Mo.
American Chain Div. of American Chain & Cable Co., Inc., Wilkes-Barre, Pa.
American Chemical & Flux Co., 105 Lorimer St., Brooklyn 6, N. Y.
American Compressed Gas Products, Inc., 5300 S. Hanna St., Ft. Wayne 5, Ind.
American Crayon Co., The, 1706 Hayes Ave., Sandusky, Ohio.
American Cyanamid Co., 30 Rcokefeller Plaza, New York 20, N. Y.
American Diamond Saw Co., 519 N. W. Park Ave., Portland 9, Ore.
American Elec. Fusion Corp., 2604 Diversey Blvd., Chicago 47, Ill.
American ELIN Corp., 1 Wall St., New York, N. Y.
American Fork & Hoe Co., 1623 Euclid Ave., Cleveland 15, Ohio.
American Gas & Chemical Co., 111 S. 4th St., Harrison, N. J.
American Handle Co., P. O. Box 185, Jonesboro, Ark.
American Industrial Safety Equip. Co., 3500 Lakeside Ave., Cleveland 14, Ohio.
American LaFrance-Foamite Corp., 925 E. La France St., Elmira, N. Y.
American Magnesium Corp., 2210 Harvard St., Cleveland 5, Ohio.
American Manganese Steel Div., American Brake Shoe Co., 289 E. 14th St., Chicago Heights, Ill.
American Metal Hose Branch, American Brass Co., 698 S. Main St., Waterbury 88, Conn.
American Metal Products Co., 34 So. Bridge St., Worcester, Mass.
American Nickeloid Co., 1501 2nd St., Peru 7, Ill.
American Optical Co., 3 Mechanic St., Southbridge, Mass.
American Oxygen Service Corp., 600 Essex St., Harrison, N. J.
American Photo Copy Equip. Co., 2849 N. Clark St., Chicago 14, Ill.
American Pipe Tool Co., 4856 W. Kinzie St., Chicago 44, Ill.
American Platinum Works, The, 231 N. J. R. R. Ave., Newark 5, N. J.
American Product Corp., 422 South Dearborn St., Chicago 5, Ill.
American Spray-Welder Co., 58 Frelinghuysen Ave., Newark 5, N. J.
Armco Steel Corp., Rustless Iron & Steel Div., 3400 E. Chase St., Baltimore 13, Md.
American Sand Banum Co., Inc., 9 Rockefeller Plaza, New York 20, N. Y.
American Scale Co., 919 Baltimore Ave., Kansas City 6, Mo.
American Schaeffer & Budenberg Instr. Div., Manning Maxwell & Moore, Inc., Bridgeport, Conn.
American Solder & Flux Co., 2152 E. Norris St., Philadelphia 25, Pa.
American Stamping Co., 310 E. Burnham St., Battle Creek, Mich.
American Steel & Wire Co., Rockefeller Bldg., 614 Superior Ave., N.W., Cleveland 13, Ohio.
American Swiss File & Tool Co., 410 Trumbull St., Elizabeth 1, N. J.
American Transformer Co., 178 Emmet St., Newark 5, N. J.
American Vacuum Co., 816 S. Michigan Ave., Chicago 5, Ill.
American Ventilating Hose Co., 15 Park Row, New York 7, N. Y.
American Wheelabrator & Eqpt. Corp., 500 S. Byrkit St., Mishawaka, Ind.
Ames, B. C. Co., 26 Ames St., Waltham 54, Mass.
Ames Spot Welder Co., Inc., 1328 58th St., Brooklyn 19, N. Y.
Ampco Metal, Inc., 1701 S. 38th St., Milwaukee 15, Wisc.
Ampco Twist Drill Corp., 811 Belden St., Jackson, Mich.
Anaconda Wire & Cable Co., 25 Broadway, New York 4, N. Y.
Anderson Corp., 1039 Southbridge St., Worcester 3, Mass.
Anderson, Albert & J. M., Mfg. Co., 289-305 A St., Boston 10, Mass.
Angle Steel Equip. Co., Inc., Elm. St., Plainwell, Mich.
Anker Holth Mfg. Co., 2723 Conner St., Port Huron, Mich.
Ansul Chemical Co., Fire Extinguisher Division, 1 Stanton St., Marinette, Wisc.

Anti-Borax Compound Co., Inc., 1506 Wall St., Ft. Wayne 6, Ind.
Anzick Mfg. Co., 23675 Mound Rd., Van Dyke, Mich.
Apollo Steel Co., Oliver Bldg., Pittsburgh, Pa.
Appleton Electric Co., 1701-1759 Wellington St., Chicago 13, Ill.
Arcair Co., P. O. Box 1792 Sta. A, Bremerton, Wash.
Arc Welding Supply Co., 814 Southern Blvd., Bronx 59, N. Y.
Arcos Corp., 1500 South 50th St., Philadelphia 43, Pa.
Aristo Power Tools, Inc., 601 W. Washington Blvd., Chicago 6, Ill.
Armco Steel Corp., 703 Curtis St., Middletown, Ohio.
Armgio Co., 3618 W. Pierce St., Milwaukee 4, Wisc.
Armite Laboratories, 6609 Broad St., Los Angeles 1, Calif.
Armour & Co., Coated Abrasives Div., 1355 W. 31st St., Chicago 9, Ill.
Armstrong-Blum Mfg. Co., 5700 W. Bloomingdale Ave., Chicago 39, Ill.
Armstrong Bros. Tool Co., 5200 W. Armstrong Ave., Chicago 30, Ill.
Armstrong Cork Co., Building Material Div., Liberty St., Lancaster, Pa.
Aro Equipment Corp., Enterprise & Trevitt Sts., Bryan, Ohio.
Aronson Machine Co., June St., Arcade, N. Y.
Arrow Hart & Hegeman Electric Co., 103 Hawthorn St., Hartford 6, Conn.
Ashton's Pharmacist, 2724 Mahoning Ave., Youngstown 9, Ohio.
Associated Bag & Apron Co., 218 W. Ontario St., Chicago 10, Ill.
Athol Machine & Foundry Co., 82 Southington St., Athol, Mass.
Atkins E. C. & Co., 402 S. Illinois St., Indianapolis 9, Ind.
Atlantic Abrasive Corp., 543 Pearl St., S. Braintree, Mass.
Atlantic Metal Hose Co., Inc., 123 W. 64th St., New York 23, N. Y.
Atlas Abrasives Corp., 459 12th St., Brooklyn 15, N. Y.
Atlas Foundry Co., 545 Lyons Ave., Irvington 11, N. J.
Atlas Press Co., 1710 N. Pitcher St., Kalamazoo 13D, Mich.
Atlas Welding Accessories Co., 707 East Lewiston Ave., Ferndale 20, Mich.
Atrax Co., The, 240 Day St., Newington 11, Conn.
Aufhauser Bros. Corp., 52 Wall St., New York 5, N. Y.
Aurora Equipment Co., Equipto Div., Aurora, Ill.
Auto Arc Weld Mfg. Co., 8007 Grand Ave., Cleveland 4, Ohio.
Automatic Gas Flux Co., Public Square Bldg., Cleveland 13, Ohio.
Automatic Temperature Control Co., Inc., 5200 Pulaski Ave., Phila. 44, Pa.

B

Babcock & Wilcox Tube Co., Alliance, Ohio.
Bache, Semon & Co., 636 Greenwich St., New York 14, N. Y.
Baier & Ackerman, Inc., 18 E. 41st St., New York 17, N. Y.
Baibach Co., The, 1201-7 California St., Omaha 2, Neb.
Baldor Electric Co., 4353 Duncan Ave., St. Louis 10, Mo.
Baldwin Locomotive Works, The, Phila., Pa.
Banner Manufacturing Co., 4934 N. 29th St., Milwaukee 9, Wisc.
Bar-Ray Prods, Inc., 209 25th St., Brooklyn 32, N. Y.
Barnes, W. O., Co., Inc., 1297 Terminal Ave., Detroit 14, Mich.
Barrett-Cravens Co., 3255 W. 30th St., Chicago 23, Ill.
Barth Mfg. Co., The, Milldale, Conn.
Bartlett Mfg. Co., 3003 E. Grand Blvd., Detroit 2, Mich.
Barton Products, Inc., Defiance, Ohio
H. R. Basford Co., 235 Fifteenth St., San Francisco 3, Calif.
Bastian-Blessing Co., 4201 W. Peterson Ave., Chicago 30, Ill.
Bates Products, Inc., 1129 E. 74th St., Chicago 19, Ill.
Bausch & Lomb Optical Co., 635 St. Paul St., Rochester 2, N. Y.
Bay State Abrasive Products Co., 12 Union St., Westboro, Mass.
Bay State Tap & Die Co., 75 Chauncey St., Mansfield, Mass.
Bearium Metals Corp., 258 State St., Rochester 4, N. Y.
Beaver Pipe Tools, Inc., 310 Dana Ave., Warren, Ohio.
Beaverdell Co., Inc., 4467 Lincoln Ave., Chicago 25, Ill.
Becker Bros. Carbon Co., 3250 S. Laramie Ave., Cicero 50, Ill.
Behr-Manning Corp., Box 808, Troy, N. Y.
Belden Mfg. Co., 4647 W. Van Buren St., Chicago 44, Ill.
Bell Aircraft Corp., 195 Locust St., Lockport, N. Y.
Belleville Engrg. Co., 367 Broad St., Newark 2, N. J.
Bellevue Industrial Furnace Co., Detroit, Mich.
Belmont Smelting & Refining Wks. Inc., 330 Belmont Ave., Brooklyn 7, N. Y.
Ben-Mek Holder, Inc., 125-129 Short Beach Road, East Haven, Conn.
Bendtin, Erwin, 77 Summer St., Boston 10, Mass.
Benjamin Elec. Mfg. Co., Northwest Highway & Seegers Rd., Des Plaines, Ill.
Chas. A. Bennett Co., Inc., 237 N. Monroe St., Peoria 3, Ill.
Bentley Welders Inc., 410 Teall Ave. & Riegel St. P. O. Box 1038, Syracuse 1, N. Y.
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave. N. E., Canton 5, Ohio.
Bergstrom Alloys Corp., Reno, Nev.
Bernard Welding Equip. Co., 10222-34 Avenue N, Chicago 17, Ill.
Bertz, Otto, Co., Inc., 280 Lyell Ave., Rochester 6, N. Y.
Beryllium Corp., The, Reading, Pa.
Best Effect Chemical Co., 10 E. Lafayette St., Hackensack, N. J.
Bethlehem Steel Co., 701 E. 3rd St., Bethlehem, Pa.
Bierman-Everett Foundry Co., 133 S. 20th St., Irvington 11, N. J.
Billings & Spencer Co., The, 1 Laurel St., Hartford 1, Conn.
Bingrod Co., 633 Jackson St., Kalamazoo 7, Mich.
Binks Mfg. Co., 3114-40 Carroll Ave., Chicago 12, Ill.
Bird Gas Corporation, 12820 Evergreen Rd., Detroit 23, Mich.
Birdwell Mfg. Co., Inc., 871 San Antonio Rd., Mountain View, Calif.
Bissett Steel Co., 945 E. 67th St., Cleveland 3, Ohio.
Black & Decker Mfg. Co., The, 600 E. Penna. Ave., Towson 4, Md.
Black Bros. Co., Inc., The, 501 Ninth Ave., Mendota, Ill.
Blackhawk Mfg. Co., 5325 W. Rogers, Milwaukee 1, Wisc.
Black Mfg. Co., The, 1416-1428 W. Baltimore St., Baltimore 23, Md.
Blaw-Knox Co., Pittsburgh 30, Pa.
Blum, Julius, & Co., Inc., 432 W. 22nd St., New York 11, N. Y.
Bond, Charles, Co., 617-623 Arch St., Philadelphia 6, Pa.
Bonney Forge & Tool Works, 716 Meadow St., Allentown, Pa.
Borg-Warner Corp., Ingersoll Steel Div., 310 S. Michigan Ave., Chicago 4, Ill.
Borm Mfg. Co., 23 N. Union St., Elgin, Ill.
Boss Mfg. Co., The, First & Chestnut Sts., Kewanee, Ill.
Boston Athletic Shoe Co., 25 Thorndike St., Cambridge 41, Mass.
Boston Woven Hose & Rubber Co., P.O. Box 1071, Boston 3, Mass.
Botfield Refractories Co., 796 S. Swanson St., Philadelphia 47, Pa.
Bowser, Inc., 1302 E. Creighton Ave., Ft. Wayne, Ind.
Boyer-Campbell Co., The, 6540 St. Antoine St., Detroit 2, Mich.
Bradford Machine Tool Co., 657 Evans St., Cincinnati 4, Ohio.
Brandt Cabinet Works, Inc., Hagerstown, Md.
Braun, J. G., Co., 609 S. Paulina St., Chicago 12, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Bridgeport Chain & Mfg. Co., The, 962 Crescent Ave., Bridgeport 1, Conn.
Bridgeport Safety Emery Wheel Co., Bridgeport, Conn.
Briggs Mfg. Co., Detroit 14, Mich.
Bristol Co., The, Waterbury 20, Conn.
Broderick & Bascom Rope Co., 4203 N. Union Blvd., St. Louis 15, Mo.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence 1, R. I.
Brown, W. R., Corp., 5720 W. Armitage Ave., Chicago 39, Ill.
Bruce Publishing Co., 400 N. Broadway, Milwaukee 1, Wisc.
Bruner Ivory Handle Co., Hope, Ark.
Brunner Mfg. Co., Inc., 1821 Broad St., Utica 1, N. Y.
Brush Development Co., 3405 Perkins Ave., Cleveland 14, Ohio.
Bryant Heater Co., Industrial Div., Cleveland, Ohio.
Buckeye Oxygen Co., 801 First Natl. Bldg., Canton 2, Ohio.
Buckeye Tools Corp., 417 First National Bank Bldg., Canton 2, Ohio.
Buda Co., 154th & Commercial Ave., Harvey, Ill.
Buegeleisen, Harry, Inc., 183 Pacific St., Brooklyn 2, N. Y.
Buehler, Ltd., 165 W. Wacker Dr., Chicago 1, Ill.
Buffalo Bolt Co., 101 East Ave., No. Tonawanda, N. Y.
Buffalo Fire Appliance Corp., 221 Crane St., Dayton 1, Ohio.
Buffalo Forge Co., 490 Broadway, Buffalo 5, N. Y.
Bullard E. D., Co., 275 8th St., San Francisco 3, Calif.
Bullock, L. H., Co., Inc., 22 8th St., Richmond, Calif.
Bundy Tubing Co., 8109 E. Jefferson Ave., Detroit 14, Mich.
Bunell Machine & Tool Co., 1601 E. 23rd St., Cleveland 14, Ohio.
Bunting Brass & Bronze Co., The, 715 Spencer St., Toledo 9, Ohio.
Burdett Oxygen Co., 3300 Lakeside Ave., Cleveland 14, Ohio.
Burgess Parr Co., Freeport, Ill.
Burndy Engrg. Co., Inc., 107 Bruckner Blvd., New York 54, N. Y.
Butterfield Div., Union Twist Drill Co., Derby Line, Vt.

C

C. B. Tool Co., Box 94, Lancaster, Pa.
C-O Two Fire Equip. Co., P. O. Box 390, U. S. Highway 1, Newark 1, N. J.
Cabot, Samuel, Inc., 151 Milk St., Boston 9, Mass.
Calder Mfg. Co., 630 N. Prince St., Lancaster, Pa.
Calif-teria Sales, Inc., 4222 Indiana Ave., Ft. Wayne 6, Ind.
California Air Products, Huntington Park, Los Angeles, Calif.
Cambell Machine Div. of American Chain & Cable Co., Inc., 929 Connecticut Ave., Bridgeport 2, Conn.
Campbell, J. A., Co., 645 E. Wardlow Rd., Long Beach 7, Calif.
Canadian Radium & Uranium Corp., 630 5th Ave., New York 20, N. Y.
Candee-Smith Governors, 2641 S. Hill St., Los Angeles 7, Calif.
Candor Glove Co., W. McCarty St., Candor, N. Y.
Capewell Mfg. Co., 60 Governor St., Hartford 2, Conn.
Carbide & Carbon Chemicals Div., Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17, N. Y.
Carboloy Co., Inc., 11177 E. Eight Mile Rd., Detroit 32, Mich.
Carborundum Co., The, Box 337, Niagara Falls, N. Y.
Card, S. W., Mfg. Co., Div. of Union Twist Drill Co., Rumford Ave., Mansfield, Mass.
Cardinal Machine Co., 109 S. Jackson St., Glendale 5, Calif.
Carey, Philip, Mfg. Co., Lockland, Cincinnati 15, Ohio.
Carhoff Co., 9321 Buckeye Rd., Cleveland 4, Ohio.
Carnegie-Illinois Steel Corp., 434 Fifth Ave., Carnegie Bldg., Pittsburgh 30, Pa.
Carpenter Products, Inc., 85 Washburn St., Bridgeport, Conn.
Carpenter Steel Co., The, Front & Barn Sts., Reading, Pa.
Carson-Newton Co., 61-71 Mill St., Belleville 9, N. J.
Cash, A. W., Valve Mfg. Corp., Wabash & Morgan Sts., Decatur, Ill.
Castaloy Corp., 197 S. Waterman, Detroit 17, Mich.
Castle, A. M. & Co., 1132 W. Blackhawk St., Chicago 22, Ill.
Central Sales Corp., 20 North Wacker Dr., Chicago 6, Ill.
Central Steel & Wire Co., 3000 W. 51st St., Chicago 32, Ill.
Cesco Products, Inc., 30 N. LaSalle St., Chicago 2, Ill.
Chain Belt Co., 1600 W. Bruce St., Milwaukee 4, Wisc.
Challenge Machinery Co., The, Grand Haven, Mich.
Champion Blower & Forge Co., Charlotte St. & Harrisburgh Pike, Lancaster, Pa.
Champion DeArment Tool Co., S. Main St., Meadville, Pa.
Champion Lamp Works, 600 Broad St., Lynn, Mass.
Champion Pneumatic Machinery Co., 8156 S. Chicago Ave., Chicago 17, Ill.
Champion Rivet Co., The, Harvard & E. 108th St., Cleveland 5, Ohio.
Chanite Sales Co., 321 Arizona Ave., Fort Worth 3, Tex.
Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn.
Chek-Shock Mfg. Co., Fowler, Calif.
Chelsea Fan & Blower Co., Inc., 639 South Ave., Plainfield, N. J.
Chemical Publishing Co., Inc., 26 Court St., Brooklyn 2, N. Y.
Chester Hoist Div., The National Screw & Mfg. Co., P.O. Box 362, Lisbon, Ohio
Chicago Boiler Co., 1965 Clybourn Ave., Chicago 14, Ill.
Chicago Bridge & Iron Co., 37 W. Van Buren St., Chicago 5, Ill.
Chicago Eye Shield Co., 2300 Warren Blvd., Chicago 12, Ill.
Chicago Hardware Foundry Co., 2500 Commonwealth Ave., N. Chicago, Ill.
Chicago Latrobe Twist Drill Works, 411 W. Ontario St., Chicago 10, Ill.
Chicago Mfg. & Dist. Co., 1928 W. 46th St., Chicago 9, Ill.
Chicago Metal Hose Corp., 1311 S. Third Ave., Maywood, Ill.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York 17, N. Y.
Chicago Rawhide Mfg. Co., 1286 Elston Ave., Chicago 22, Ill.
Chicago Steel & Wire Co., 10257 S. Torrence Ave., Chicago 17, Ill.
Chicago Tool and Engrg. Co., 83 S. Chicago Ave., Chicago 17, Ill.
Chicago Welding Sales Co., 3349 W. Ogden Ave., Chicago 23, Ill.
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
Chisholm-Moore Hoist Corp., Fremont Ave., Tonawanda, N. Y.
Chrysler Corp., Third Natl. Bank Bldg., Dayton 2, Ohio.
Cinch Mfg. Corp., Howard B. Jones Div., 2460 W. George St., Chicago 18, Ill.
Cincinnati Elec. Tool Co., Madison & Edwards Rd., Cincinnati 9, Ohio.
Cincinnati Tool Co., 1951 Waverly Ave., Cincinnati 12, Ohio.
Cirod Distributing Co., 7950 W. 47th St., Lyons, Ill.
Clarage Fan Co., N. & Porter Sts., Kalamazoo 16, Mich.
Clark, Robert H. Co., 9330 Santa Monica Blvd., Beverly Hills, Calif.
Clark Controller Co., The, 1146 E. 152nd St., Cleveland 18, Ohio.
Clark, James, Jr., Electric Co., 645 Bergman St., Louisville 3, Ky.
Clayton & Lambert Mfg. Co., 1701-1715 Dixie Highway, Louisville 10, Ky.
Cleco Div., Reed Roller Bit Co., 5125 Clinton Drive, P. O. Box 2119, Houston 20, Texas.
Clements Mfg. Co., 6656 S. Narragansett Ave., Chicago 38, Ill.
Clemson Bros., Inc., 22 Cottage St., Middletown, N. Y.
Cleveland Chain & Mfg. Co., Broadway & Henry Sts., Cleveland 5, Ohio.
Cleveland Crane & Engrg. Co., Wickliffe, Ohio.
Cleveland Electric Motor Co., 5213 Chester Ave., Cleveland 3, Ohio.
Cleveland Precision Ring & Products Co., 4501 Prospect Ave., Cleveland 3, Ohio.
Cleveland Quarries Co., The, 1740 E. Twelfth St., Cleveland 14, Ohio.
Cleveland Tungsten, Inc., 10200 Meech Ave., Cleveland 5, Ohio.
Cleveland Twist Drill Co., The, 1242 E. 49th St., Cleveland 14, Ohio.
Clinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill.
Clizbe Bros. Mfg. Co., W. Harrison St., Plymouth, Ind.
Clover Mfg. Co., 327 Main St., Norwalk, Conn.
Coast Metals, Inc., 1232 Camden Ave., S.W., Canton 6, Ohio.
Coast Pneumatic Tool Co., 1827 Elcerrito Place, Los Angeles 28, Calif.
Cobb, R. L., 54 Euclid Ave., Willoughby, Ohio.
Coffing Hoist Co., 800 Walters St., Danville, Ill.
Cogsdill Twist Drill Co., 12950 W. Eight Mile Road, Box 97, College Park Sta., Detroit 21, Mich.

Collmer Bros., 420 S. St. Joseph St., So. Bend 1, Ind.
Collyer Insulated Wire Co., Inc., 249 Roosevelt Ave., Pawtucket 1, R. I.
Colonial Alloys Co., Ridge Ave. & Crawford Sts., Philadelphia 29, Pa.
Colonial Leather Co., 622 W. Oregon St., Milwaukee 4, Wisc.
Colorado Fuel & Iron Corp., Continental Oil Building, 1755 Glenarm Place, Denver 1, Colo.
Columbia Chemical Products Co., 553 Beaufait, Detroit 7, Mich.
Columbia Electric Mfg. Co., 4519 Hamilton Ave., Cleveland 14, Ohio.
Columbia Machinery & Engineering Corp., Hamilton, Ohio.
Columbia Steel Co., U. S. Steel Corp., Subsidiary, Russ Bldg., 235 Montgomery St., San Francisco 6, Calif.
Columbian Vise & Mfg. Co., 9021 Bessemer Ave., Cleveland 4, Ohio.
Columbus Anvil & Forging Co., 117 W. Frankfort St., Columbus 16, Ohio.
Columbus McKinnon Chain Corp., 120 Freemont St., Tonawanda, N. Y.
Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
Commerce Pattern Foundry & Mach. Co., 7450 Melville At Green, Detroit 17, Mich.
Commercial Shearing & Stamping Co., The, Youngstown, Ohio.
Compressed Gas Cylinders, Inc., 2909 E. 54th St., Vernon, Calif.
Conco Engrg. Works, 50 West St., Mendota, Ill.
Conical Tool Co., 443 Division South, Grand Rapids 3, Mich.
Continental Gin Co., Industrial Div., Birmingham, Ala.
Continental Industrial Engineers' Co., Inc., 176 W. Adams St., Chicago 3, Ill.
Contour Marker Corp., 1843 E. Compton Blvd., Compton, Calif.
Cook's, Adam, Sons, Inc., 5 Stiles St., Linden, N. J.
Cooley Electric Mfg. Corp., 38 S. Shelby St., Indianapolis 7, Ind.
Coppus Engineering Corp., 344 Park Ave., Worcester 2, Mass.
Cornell-DuBilier Electric Corp., Hamilton Blvd., South Plainfield, N. J.
Cornell Maritime Press, Cambridge, Md.
Corning Glass Works, Corning, N. Y.
Corpus Christi Oxygen Co., 2827 Agnes St., Corpus Christi, Texas.
Cortland Grinding Wheels Corp., 1 Huntington St., Chester, Mass.
Cortland Sales & Products, Inc., Pearl St., Cortland, Ohio.
Cortland Welding Compound Co., 12-16 Crawford St., Cortland, N. Y.
Couse Manufacturing, Inc., 300 Passaic St., Newark 4, N. J.
Cowles Detergent Co., 7016 Euclid Ave., Cleveland 3, Ohio.
Coyne Manufacturnig Co., 200 Paul Avenue, San Francisco 24, Calif.
Craftsweld Equip. Corp., 2626 Jackson Ave., Long Island City 1, N. Y.
Cramer, R. W., Co., Inc., 1941 Plant St., Centerbrook, Conn.
Crane Co., 836 S. Michigan Ave., Chicago 5, Ill.
Cratex Mfg. Co., 81 Natoma St., San Francisco 5, Calif.
Crescent Insulated Wire & Cable Co., Trenton, N. J.
Crescent Tool Co., 200 Harrison St., Jamestown 4, N. Y.
Crouse Hinds Co., Wolf & 7th N. St., Syracuse, N. Y.
Crucible Steel Co. of America, 405 Lexington Ave., New York 17, N. Y.
Cullen-Friestedt Co., 1300 S. Kilbourn Ave., Chicago 23, Ill.
Culver Glass Specialties, Inc., 28 St. Marks Place, New York 3, N. Y.
Cumming Tools, Inc., 501-03 E. 18th St., Kansas City 8, Mo.
Cuneo Press, Inc., 22nd Canal & Grove Sts., Chicago 16, Ill.
Curtis Pneumatic Machinery Div. of Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis 20, Mo.
Cut-O-Guide Sales Co., 1900 Euclid Ave., Cleveland 15, Ohio.
Cutler Hammer, Inc., 507 N. 12th St., Milwaukee 1, Wisc.
Cutter Machine Co., 3723 Commonwealth Ave., St. Louis 17, Mo.

D

D-V Welding Controls, 3959 Piedmont Ave., Oakland 11, Calif.
Dahlstrom Mfg. Co., 2520 West Larpenteur Ave., St. Paul 8, Minn.
Dallett Co., The, Mascher at Lippincott St., Philadelphia 33, Pa.
Damascus Steel Prods. Corp., 2215 Kiswaukee St., Rockford, Ill.
Daniels, C. R., Inc., Daniels, Md.
Danly Machine Spec., Inc., 2100 S. 52nd St., Chicago 50, Ill.
Darling Valve & Mfg. Co., Ft. of Walnut St., Williamsport, Pa.
Darwin & Milner, Inc., 1260 W. 4th St., Cleveland, Ohio.
Davies & Son, Inc., 1416 Westwood Blvd., Los Angeles 24, Calif.
Davis Emergency Equip. Co., Inc., 45 Halleck St., Newark 4, N. J.
Davis Regulator Co., 2544 S. Washtenaw Ave., Chicago 8, Ill.
Dayton Chemical Products Laboratories, Inc., West Alexandria, Ohio
Dayton Grinding Wheel Co., 1101 Negley Pl., Dayton, Ohio.
DeBothezat Fans Div., Amer. Machine & Metals, Inc., E. Moline, Ill.
Delta File Works, Inc., 4837 James St., Philadelphia 37, Pa.
Delta Power Tool Div. of Rockwell Mfg. Co., 620 E. Vienna Ave., Milwaukee (1,) Wisc.
Dennis Chemical Co., 2701 Papin St., St. Louis 3, Mo.
Denver Oxygen Co., Inc., 1160 10th St., Denver 1, Colo.
DeSanno, A. P. & Son, Inc., Wheatland St., Phoenixville, Pa.
Desmond Stephan Mfg. Co., 317 S. Walnut St., Urbana, Ohio.
Despatch Oven Co., 619 Eighth St., S. E., Minneapolis 14, Minn.
Detroit Electrode Holders Mfg. Co., 3437 Book Bldg., Detroit, Mich.
Detroit Electronic Products Co., 19929 Exeter Ave., Detroit 3, Mich.
Detroit First Aid Co., 6335 Grand River Ave., Detroit 8, Mich.
Detroit Hoist & Machine Co., 8300 Morrow St., Detroit 11, Mich.
Detroit Stamping Co., 372 Midland Ave., Detroit 3, Mich.
Detroit Testing Machine Co., 9390 Grinnell Ave., Detroit 13, Mich.
Deutschman Corp., Canton, Mass.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio.
Diamalloy Co., The, P. O. Box 190, Gowanda, New York.
Diamond Alkali Co., Oliver Bldg., Pittsburgh 22, Pa.
Diamond Mechanical Goods, Div. of The B. F. Goodrich Co., 444 S. Main St., Akron, Ohio.
Diamond Saw Works, Inc., 265 Court St., Buffalo 2, N. Y.
Dico Corp., 200 Southwest 16th St., Des Moines, 5, Ill.
Diener, Geo. W., Mfg. Co., 400 Monticello Ave., Chicago 24, Ill.
Die Typing Corp., 419 Book Bldg., Detroit 26, Mich.
Dill Mfg. Co., 700 E. 82nd St., Cleveland 3, Ohio.
Dillon, W. C. & Co., Inc., 1421 S. Circle Ave., Forest Park, Ill.
Dings Magnetic Separator Co., 4740 W. Electric Ave., Milwaukee 14, Wis.
Disston, Henry & Sons, Inc., Unruh & Milnor Sts., Tacony, Phil. 35, Pa.
Diversey Corp., The Metal Industries Dept., 1820 W. Roscoe St., Chicago 13, Ill.
Divine Bros. Co., 200 Seward Ave., Utica 1, N. Y.
Dixon, Joseph, Crucible Co., 167 Wayne St., Jersey City 2, N. J.
Dixon Valve & Coupling Co., Hancock St. & Columbia Ave., Philadelphia 22, Pa.
DoAll Co., 245 N. Laurel Ave., DesPlaines, Ill.
Dockson Corp., 3839 Wabash Ave., Detroit 8, Mich.
Dodge Mfg. Corp., 500 S. Union St., Mishawaka, Ind.
Dolph, John C., Co., 1060 Broad St., Newark 2, N. J.
Dominion Bridge Co., Ltd., 32nd Ave. & 17th St., E. Calgary, Alberta, Canada.
Donnelley, R. R., & Son, 350 E. Cermak, Chicago 16, Ill.
Douglas Pipe Machine Co., 412 South California St., Monrovia, Calif.
Dow Chemical Co., 1014 Jefferson Ave., Midland, Mich.
Downs Crane & Hoist Co., 540 W. Vernon Ave., Los Angeles 37, Calif.
Drake, Frederick J., & Co., 600 W. Van Buren St., Chicago 7, Ill.
Dremel Mfg. Co., 2420 18th St., Racine, Wisc.
Drennan, Lee J., Inc., 430 W. Main St., Arcade, N. Y.
Dresser Industries, Inc., Terminal Tower Cleveland 13, Ohio.
Driver-Harris Co., Harrison, N. J.
Dudgeon, Richard, Inc., 24 Columbia St., New York 2, N. Y.
Duff Norton Mfg. Co., The, 2709 Preble Ave., Pittsburgh 12, Pa.
Dumore Co., 1300 Seventeenth St., Racine, Wisc.
du Mont Corp., The, Greenfield, Mass.
Dunn Products, 1216 W. Madison St., Chicago, Ill.
du Pont de Nemours, E. I. & Co., Inc., Fabrics Div., Fairfield, Conn.
du Pont de Nemours, E. I. & Co., Inc., Grasselli Chemicals Dept., Wilmington 98, Del.
du Pont de Nemours, E. I. & Co., Inc., Wilmington 98, Del.
du Pont de Nemours, E. I. & Co., Inc., Pattern Screen Div., Towanda, Pa.
du Pont de Nemours, E. I. & Co., Inc., Photo Products Dept., Wilmington 98, Del.
Duquesne Electric & Mfg. Co., Pittsburgh 6, Pa.
Dur-a-Bilt Products, Inc., Box 1, Sussex, Wisc.
Durbin Durco, 6611 Oliver St. Rd., St. Louis 5, Mo.
Duro Engineering Co., 136 Park St., New Haven 11, Conn.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Dymonhard Corp., 250 W. 57th St., New York 19, N. Y.

E

Eagle Mfg. Co., 24th & Charles St., Wellsburg, W. Va.
Eagle Picher Co., The, American Bldg., Cincinnati 1, Ohio.
Eagle Welding Equipment Co., 5085 Broadway, Chicago 40, Ill.
Eastern Equipment Co., Willow Grove, Pa.
Eastern Stainless Steel Corp., Box 1975, Baltimore 3, Md.
Eastern Tool & Mfg. Co., 1 Montgomery St., Belleville 9, N. J.
Eastman Kodak Co., 343 State St., Rochester 4, N. Y.
Eaton Mfg. Co., Wilcox Rich Div., Detroit, Mich.
Eccles & Davies Machinery Co., Inc., 1910 Santa Fe Ave., Los Angeles 21, Calif.
ECCO High Frequency Corp., 7020 Hudson Blvd., North Bergen, N. J.
Eclipse Fuel Engineering Co., 711 S. Main St., Rockford, Ill.
Ehret Magnesia Mfg. Co., Valley Forge, Pa.
Eisler Engrg. Co., Inc., 738-758 South 13th St., Newark 3, N. J.
Eitel-McCullough, Inc., 1570 San Mateo Ave., San Bruno, Calif.
Electric Arc, Inc., 152-62 Jelliff Ave., Newark 8, N. J.
Electric Auto-Lite Co., Champlain-Mulberry Sts., Toledo 1, Ohio.
Electric Blower Co., 352 Atlantic Ave., Boston 10, Mass.
Electric Controller & Mfg. Co., 2700 E. 79th St., Cleveland 4, Ohio.
Electric Hose & Rubber Co., 12th & Dure Sts., Wilmington 99, Del.
Electric Machinery Mfg. Co., 1331 Tyler St., N.E., Minneapolis 13, Minn.
Electric Soldering Iron Co., Inc., W. Elm St., Deep River, Conn.
Electric Storage Battery Co., The, 19th St., & Allegheny Ave., Philadelphia 32, Pa.
Electric Welding Machine Co., 9635 French Rd., Detroit, Mich.
Electro Cover Glass Co., Inc., 110-18th St., Sharpsburg Br., Pittsburgh 15, Pa.
Electro Refractories & Alloys Co., 344 Delaware Ave., Buffalo 2, N. Y.
Electroloy Co., Inc., The, 1600 Seaview Ave., Bridgeport 8, Conn.
Electrons, Inc., 127 Sussex Ave., Newark 4, N. J.
Elliott Mfg. Co., 350 State St., Binghamton, N. Y.
Ellwood Products Corp., Ellwood City, Pa.
Emerson Elec. Mfg. Co., 8100 Florissant Ave., St. Louis 21, Mo.
Ergolyte Mfg. Co., 3626 N. Lawrence St., Philadelphia 40, Pa.
Erico Products Inc., 2070 E. 61 Place, Cleveland, Ohio.
Essex Brass Corp., 2000 Franklin St., Detroit 7, Mich.
Eutectic Welding Alloys Corp., 40-40 172nd St., Flushing, N. Y.
Ever-Tite Alloy Corp., 1-3 Bleeker St., New York, N. Y.
Expert Welding Machine Co., 17144 Mt. Elliott St., Detroit 12, Mich.

F

Fairbanks-Morse & Co., 610 S. Michigan Ave., Chicago 5, Ill.
Fairmont Tool & Forging Co., 10611 Quincy Ave., Cleveland, Ohio.
Falcon Equipment Co., 13th St., New Brighton, Pa.
Famco Machine Co., 1336 18th St., Racine, Wisc.
Fansteel Metallurgical Corp., 2200 Sheridan Rd., N. Chicago, Ill.
Farrelloy Co., 1243-45 No. 26th St., Phila. 21, Pa.
Farris Engineering Co., 400 Commercial Ave., Palisades Park, N. J.
Faulk, F. R., 13 Wabash Ave., Pittsburgh 20, Pa.
Fauver, J. N., Co., Inc., 49 W. Hancock Ave., Detroit 1, Mich.
Federal Electric Prods. Co., 50 Paris St., Newark 5, N. J.
Federal Machine & Welder Co., The, Overland Ave., Warren, Ohio.
Federal Telephone & Radio Corp., 100 Kingsland Road, Clifton, N. J.
Federal Tool & Engineering, Inc., 532 Mulberry St., Newark 5, N. J.
Fibre Abrasive Corp., 1129 E. 74th St., Chicago 19, Ill.
Fibre Metal Prod. Co., 5th & Tilghman Sts., Chester, Pa.
Firth Sterling Steel & Carbide Corp., 2201-3299 Demmler Rd., McKeesport, Pa.
Fish-Schurman Corp., 230 E. 45th St., N. Y. 17, N. Y.
Fisher & Norris (Eagle Anvil Wks), 37-45 Bloomsbury St., Trenton 1, N. J.
Flint Products Co., 2925 Ave. H., Brooklyn 10, N. Y.
Flood Safety Prod. Co., 3035 West Lake St., Chicago 12, Ill.
Flux-All Chemical Products, 4018 10th Ave., New York 34, N. Y.
Foley Mfg. Co., 3300 Fifth St., N. E., Minneapolis 18, Minn.
Foote Mineral Co., 18 W. Chelten Ave., Philadelphia 44, Pa.
Ford, J. B., Wyandotte, Mich.
Ford, M. A., Mfg. Co., Inc., 732 W. River St., Davenport, Iowa.
Ford Chain Block Div. of American Chain & Cable Co., Inc., 1100 E. Princess St., York, Pa.
Foredom Electric Co., 27 Park Place, New York 7, N. Y.
Forney Mfg. Co., 1800 La Porte Ave., Box 563, Ft. Collins, Colo.
Foster Alum. Alloy Prod. Corp., 45 Pearl St., Forestville 13, N. Y.
Foster Transformer Co., 3820 Colerain Ave., Cincinnati 23, Ohio.
Fox Grinders Inc., Oliver Bldg., Pittsburgh, Pa.
Franklin Transformer Mfg. Co., 65 22nd Ave., N.E., Minneapolis 18, Minn.
Friez Instrument Div. of Bendix Aviation Corp., Taylor Ave. & Lock Haven Blvd., Baltimore 4, Md.
Frostrode Products, 19929 Exeter St., Detroit 3, Mich.
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Fuller, G. C., Mfg. Co., 1621 Central Ave., Cincinnati 14, Ohio.
Fusion Engineering, 4504 Superior Ave., Cleveland 3, Ohio.

G

Gallup Ruffing Handle Co., St. Mary's St., Norwalk, Ohio.
Galv-Weld Products, 324 East Second St., Dayton, Ohio.
Gar-Bro. Mfg. Co., 2416 E. 16th St., Los Angeles 21, Calif.
Gardner Denver Co., Quincy, Ill.
Garibay Mfg. Co., 1517 Colegrove Ave., Montebello, Calif.
Garrett, George K., Co., Inc., Tioga & D Sts., Philadelphia 34, Pa.
Gas Appliance Service, Inc., 1211 Webster Ave., Chicago 14, Ill.
Gasflux Co., The, 198 Wayne St., Mansfield, Ohio.
Gaso Equipment Co., 3253 N. Kedzie Ave., Chicago 18, Ill.

Gasweld Equipt. Co., 625 W. Jackson St., Chicago 6, Ill.
Gates Rubber Co., The, 999 S. Broadway, Denver 17, Colorado
Gellid Engineering Corp., 20 Lake St., Oak Park, Ill.
Gem Mfg. Co., 1229-1243 Goebel St., Pittsburgh 12, Pa.
General Aniline & Film Co., Ansco Div., Binghamton, N. Y.
General Blower Co., Ferris Ave., Morton Grove, Ill.
General Cable Corp., 420 Lexington Ave., New York 17, N. Y.
General Detroit Corp., 2272 E. Jefferson Ave., Detroit 7, Mich.
General Electric Co., 1 River Rd., Schenectady 5, N. Y.
General Elec. Co., Nela Park, Cleveland 12, Ohio.
General Elec. X-Ray Corp., 4855 W. McGeoch Ave., Milwaukee 14, Wisc.
General Pacific Corp., 1800 S. Hooper Ave., Los Angeles 21, Calif.
General Refractories Co., 1600 Real Estate Bldg., Philadelphia 7, Pa.
General Scientific Equip. Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
General Welding & Equip. Co., 268 Northampton St., Boston 18, Mass.
General Welding Corp., 7404 Euclid Ave., Cleveland 3, Ohio.
Girdler Corp., The, 224 E. Broadway, Louisville 2, Ky.
Gleason Corp., 3043 N. 30th St., Milwaukee 10, Wisc.
Glenn-Roberts Co., 2107 Adams St., Indianapolis 18, Ind.
Globe Steel Tubes Co., 3839 West Burnham St., Milwaukee 4, Wisc.
Goggle Parts Co., The, Cleveland, Ohio.
Golden Rod Equip. Co., 617 Montgomery St., San Francisco 11, Calif.
Goldsmith Bros. Smelting & Refining Co., 109 N. Wabash, Chicago 3, Ill.
Goodall Rubber Co., Whitehead Rd., Trenton 4, N. J.
Goodell Pratt Co., Div. of Millers Falls Co., 57 Wells St., Greenfield, Mass.
Goodheart-Willcox Co., 1321 S. Michigan Ave., Chicago 5, Ill.
Goodrich, B. F., Co., 500 S. Main St., Akron 11, Ohio.
Goodyear Tire & Rubber Co., Inc., 1144 E. Market St., Akron 16, Ohio.
Gordon, Claud S., Co., 3000 S. Wallace St., Chicago 16, Ill.
Gorham Tool Co., 1440 Woodrow Wilson St., Detroit, Mich.
Goss Gas, Inc., 5209 Baum Boulevard, Pittsburgh 24, Pa.
Gouran, Mark F., Inc., 7309 Boyer St., Phila. 19, Pa.
Graham Mfg. Corp., 1541 E. Eight Mile Rd., Ferndale 20, Mich.
Graham Rotary File & Tool Corp., 4816 Tacony St., Philadelphia 37, Pa.
Grand Specialties Co., 3101 West Grand Ave., Chicago 22, Ill.
Granite City Steel Co., 20th & Madison Ave., Granite City, Ill.
Gray Co., Inc., 60 11th Ave., N. E., Minneapolis 13, Minn.
GrayMills Corp., 2006 Ridge Ave., Evanston, Ill.
Great Lakes Steel Corp., Alloy Div., Ecorse, Detroit 18, Mich.
Great Lakes Steel Corp., Tecumseh Rd., Ecorse, Detroit 18, Mich.
Greene, Tweed & Co., 318 Elm Ave., North Wales, Pa.
Greenfield Tap & Die Corp., Sanderson St., Greenfield, Mass.
Greenlee Tool Co., Div. of Greenlee Bros. & Co., 2136 Twelfth St., Rockford, Ill.
Greyhound A. C. Arc Welder Corp., 604 Johnson Ave., Brooklyn 6, N. Y.
Griffin, G. W., Co., 93 Memorial St., Franklin, N. H.
Grinnell Co., Inc., 260 W. Exchange St., Providence 1, R. I.
Grip Nut Company, 310 S. Michigan Ave., Chicago 4, Ill.
Griscom-Russell Co., 285 Madison Ave., New York, N. Y.
Grobet File Co. of America, Inc., 421 Canal St., New York 13, N. Y.
Gumm, Frederick, Chemical Co., Inc., 538 Forest St., Kearney, N. J.
Guyan Machinery Co., Box 150, Logan, W. Va.

H

H & M Pipe Beveling Machine Co., 311 East Third St., Tulsa, Okla.
Hamilton Alexander Inst., 71 W. 23rd St., New York 10, N. Y.
Hamilton Tool Co., 9th & Hanover Sts., Hamilton, Ohio.
Hammett Elec. Mfg. Co., 706 E. 18th St., Kansas City 8, Mo.
Hammond Associates Inc., The, Suite 3022, Empire State Bldg., N. Y. 1, N. Y.
Hammond Machinery Builders Inc., 1600 Douglas Ave., Kalamazoo, Mich.
Hancock Valve Div., Manning Maxwell & Moore Inc., Bridgeport, Conn.
Handy & Harman, 82 Fulton St., New York 38, N. Y.
Hannifin Corp., 1101 S. Kilbourn Ave., Chicago 24, Ill.
Hanover Glove Co., 2-6 Exchange Pl., Hanover, Pa.
Hansen, S. A., Co., 58 Frelinghuysen Ave., Newark 5, N. J.
Hanson-Van Winkle-Munning Co., Matawan, N. J.
Har-Worth Mfg. Co., Rt. 4, Box 90, Sherwood, Oregon
Harbison Walker Refractories Co., 1800 Farmers Bank Bldg., Pittsburgh, Pa.
Harmo Tire & Rubber Corp., 518 Hammond Bldg., Detroit 26, Mich.
Harmon & Co., 6 N. Michigan Ave., Chicago 2, Ill.
Harnischfeger Corp., 4400 W. National Ave., Milwaukee 14, Wisc.
Harrington Co., The, 17th & Callowhill Sts., Philadelphia 30, Pa.
Harris Calorific Co., 5501 Cass Ave., Cleveland 2, Ohio
Harrisburg Steel Corp., 10th & Herr Sts., Harrisburg 15, Pa.
Haskins, R. G. Co., 2651 West Harrison St., Chicago 12, Ill.
Hauck Mfg. Co., 124-136 10th St., Brooklyn 15, N. Y.
Hayes, C. I., Inc., 75 Baker St., Providence 5, R. I.
Hayes Truck Appliance Co., Richmond, Ind.
Haynes Stellite Co., A Div. of Union Carbide & Carbon Corp., Se. Lindsay St., Kokomo, Ind.
Hazard Insulated Wire Works Div. of the Okonite Co., 72 Hazle St., Wilkes Barre, Pa.
Hazard Wire Rope Div. of American Chain & Cable Co., Inc., 271 S. Pennsylvania Ave., Wilkes Barre, Pa.
Heath Engineering Co., 209 Jefferson St., Ft. Collins, Colo.
Hebard, W. F. & Co., 336 W. 37th St., Chicago 9, Ill.
Heller Brothers Co., 865 Mt. Prospect Ave., Newark 4, N. J.
Henley, Norman W., Publishing Co., 2 W. 45th St., New York 19, N. Y.
Hercules Chemical Co., Inc., 332 Canal St., New York 13, N. Y.
Heston & Anderson, 608 W. Kirkwood St., Fairfield, Iowa
Hewitt Rubber Div., Hewitt Robins Inc., 240 Kensington Ave., Buffalo 5, N. Y.
Hevi Duty Elec. Co., 4212 W. Highland Blvd., Milwaukee 1, Wisc.
Hewlett Packard Co., 367 Addison Ave., Palo Alto, Calif.
Hexacon Electric Co., 161 W. Clay Ave., Roselle Park, N. J.
Hi-Lo Mfg. Co., Inc., 18525 Weaver Ave., Detroit 23, Mich.
Hisey-Wolf Machine Co., Madison & Edwards Rd., Cincinnati 8, Ohio
Hobart Brothers Co., Hobart Sq., Troy 1, Ohio
Hoffman, Robert W., Co., Inc., 32-36 S. Clinton St., Chicago 6, Ill.
Hoke Inc., 148 S. Dean St., Englewood, N. J.
Holcomb Safety Garment Co., 128 N. Jefferson St., Chicago 2, Ill.
Holcroft & Co., 6545 Epworth Blvd., Detroit 10, Mich.
Holden, A. F., Co., 52 Richards St., P. O. Box 1898, West Haven 16, Conn.
Hollands Mfg. Co., 350 E. 18th St., Erie, Pa.
Hollingshead, R. M., Corp., 840 Cooper St., Camden, N. J.
Hollup Corp., 4700 W. 19th St., Chicago 50, Ill.
Holth Mfg. Co., Port Huron, Mich.
Home Rubber Co., 30 Woolverton Ave., Trenton 5, N. J.
Hones, Charles A., Inc., 121 S. Grand Ave., Baldwin, L. I., N. Y.
Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.
Hose Accessories Co., 17th & Lehigh Ave., Philadelphia 32, Pa.
Hoskins Mfg. Co., 4445 Lawton Ave., Detroit 8, Mich.
Houghton, E. F., & Co., 303 W. Lehigh Ave., Phila. 33, Pa.
Houston Oxygen Co., Inc., 3602 W. 11 St., Houston 8, Texas.
Hunt, C. B. & Son, Inc., 1900 E. Pershing St., Salem, Ohio.
Hunt, Robert W., Co., 59 Murray St., N. Y. 7, N. Y.
Hurbenium Co., Napoleon, Ohio.
Hydraulic Press Mfg. Co., The, Marion Rd., Mt. Gilead, Ohio.

I

I. S. C. Flame Cutter Corp., 34 West 33rd St., New York 1, N. Y.
Idaho Sprocket Machine Works, Inc., The, Boise, Idaho.
Ideal Electric & Mfg. Co., Mansfield, Ohio.
Ideal Industries, Inc., 1935 Park Ave., Sycamore, Ill.
Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
Illinois Iron & Bolt Co., 10 Main St., Carpentersville, Ill.
The Illium Corp. P.O. Box 478, Freeport, Ill.
Imperial Brass Mfg. Co., The, 1200 W. Harrison St., Chicago 7, Ill.
Imperial Glove Co., 285 S. W. Franklin St., Berlin, Wis.
Independent Engrg. Co., Inc., O'Fallon, Ill.
Independent Pneumatic Tool Co., 175 State St., Aurora, Ill.
Indiana Oxygen Co., 435 S. Delaware St., Indianapolis 6, Ind.
Indianapolis Brush & Broom Mfg. Co., Corner Brush & Broom St., Indianapolis 7, Ind.
Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
Industrial Air Products Co., 3200 N.W. Yeon Ave., Portland 10, Ore.
Industrial Corp., Baltimore Life Bldg., Baltimore 1, Md.
Industrial Engr., 4268 Shenandoah Ave., St. Louis 10, Mo.
Industrial Equip. Co., 315 N. Ada St., Chicago 7, Ill.
Industrial Gloves Co., 700 Garfield St., Danville, Ill.
Industrial Overlay Metals, Inc., 410 N. Barron St., Eaton, Ohio.
Industrial Oxygen Co., 1377 So. 7th St., Louisville 8, Ky.
Industrial Press, The, 148 Lafayette St., N. Y. 13, N. Y.
Industrial Products Co., 2802 N. Fourth St., Philadelphia 33, Pa.
Industrial Timer Corp., 115 Edison Pl., Newark 5, N. J.
Ingersoll-Rand Co., 11 Broadway, N. Y. 4, N. Y.
Ingersoll Steel Div., Borg-Warner Corp., 310 S. Michigan Ave., Chicago 4, Ill.
Inland Steel Co., 38 S. Dearborn St., Chicago 3, Ill.
Innis, Speiden & Co., 117 Liberty St., N. Y., N. Y.
Insto Gas Corp., 1977 E. Woodbridge St., Detroit 7, Mich.
International Chain & Mfg. Co., York, Pa.
International Nickel Co., Inc., The, 67 Wall St., N. Y. 5, N. Y.
International Salt Co., Inc., Scranton Life Bldg., Scranton 3, Pa.
International Shoe Co., Hy-Test Div., 1509 Washington St., St. Louis 3, Mo.
International Textbook Co., 1001 Wyoming Ave., Scranton 9, Pa.
Interstate Machinery Co., 1431 W. Pershing Rd., Chicago 9, Ill.
Invincible Vacuum Cleaner Mfg. Co., 3000 Davis St. S., Dover, Ohio.
Iron Lung Ventilator Co., 4019 Prospect Ave., Cleveland 3, Ohio.

J

Jackson Products, 31739 Mound Rd., Warren, Mich.
James Asbestos Co., 39 Cortlandt St., New York 7, N. Y.
Jarvis, Charles L., Co., Pease Ave. & Stack St., Middletown, Conn.
Jefferson Engineering & Mfg. Co., 269 Walker St., Detroit 7, Mich.
Jefferson Mfg. Co., The, 800 N. 4th St., Columbus 16, Ohio.
Jenkins Bros., 80 White St., New York, N. Y.
Jergens Tool Specialty Co., 712 E. 163rd St., Cleveland 10, Ohio.
Jessop Steel Co., 500 Green St., Washington, Pa.
Jewel Mfg. Co., 1841 University Ave., St. Paul 4, Minn.
Johns-Manville Corp., 22 E. 40th St., New York 16, N.Y.
Johnson Bronze Co., 535 S. Mill St., New Castle, Pa.
Johnson Gas Appliance Co., 520 E Ave., N. W., Cedar Rapids, Iowa.
Johnson Machine Works, Eau Claire, Wis.
Johnson Mfg. Co., Inc., Mt. Vernon, Iowa.
Johnson Mfg. Corp., 1013 Barnes St., Albion, Mich.
Johnson Mfg. Corp., 405 Lexington Ave., New York 17, N. Y.
Johnson Steel & Wire Co., Inc., 55 Wiser Ave., Worcester 7, Mass.
Johnston, A. P., 1845 E. 57th St., Los Angeles 11, Calif.
Jones Engineering Co., 523 Spring St., Ellwood City, Pa.
Jones, Howard B., Div., Cinch Mfg. Corp., 1026 S. Homan Ave., Chicago 24, Ill.
Jones, C. Walker, Co., 6125 N. Lambert St., Phila. 38, Pa.
Jones & Laughlin Steel Corp., Third Ave. & Ross St., Pittsburgh 30, Pa.
Joy Mfg. Co., Henry W., Oliver Bldg., Pittsburgh, Pa.
Joyce Cridland Co., The, 2027 E. First St., Dayton, Ohio.
Justrite Mfg. Co., 2061 N. Southport Ave., Chicago 14, Ill.

K

K-G Welding & Cutting Co., Inc., 515 W. 29th St., New York 1, N. Y.
K-S-M Products, Inc., 6512 Park Ave., Merchantville 8, N. J.
Kalamazoo Tank & Silo Co., Machine Tool Div., 508 Harrison St., Kalamazoo 16, Mich.
Kansas Oxygen Div., Krause Plow Corp., P. O. Box 551, 1261½ N. Main St., Hutchinson, Kan.
Karma Mfg. Co., 14823 Loomis St., Harvey, Ill.
Keasbey & Mattison Co., Ambler, Pa.
Keston Mfg. Co., Butler, Wis.
Kedman Co., 233 S. 5th W. St., Salt Lake City 1, Utah.
Keilite Products, Inc., P. O. Box 2917, Term. Annex, Los Angeles 54, Calif.
Keller Tool Co., 1333 Fulton St., Grand Haven, Mich.
Kelley Koett Mfg. Co., The, 212 W. 4th St., Covington, Ky.
Kellogg Div. of The Amer. Brake Shoe Co., 97 Humboldt St., Rochester 9, N. Y.
Kemode Co., Inc., The, 161 W. 18th St., New York 11, N. Y.
Kempsmith Machine Co., 1829 S. 71st St., Chicago, Ill.
Ken-Rad Tube & Lamp Corp., Owensboro, Ky.
Kent Co., Inc., The, 436 Canal St., Rome, N. Y.
Kerk-Aloy Co., Bloomington, Ind.
Kerkling, C. A., Metals Co., 1765 N. San Fernando Rd., Burbank, Calif.
Kern, John A., Co., 224 N. Loomis St., Chicago 7, Ill.
Kerotest Mfg. Co., 2525 Liberty Ave., Pittsburgh 22, Pa.
Kester Solder Co., 4201 Wrightwood Ave., Chicago 93, Ill.
Kent Tool Co., 5 E. 3rd St., Cincinnati 2, Ohio.
Keuffel & Esser Co., Adams & 3rd Sts., Hoboken, N. J.
Key Co., Box 494, East St. Louis, Ill.
Keystone Carbon Co., 1935 State St., St. Marys, Pa.
Kidde, Walter, & Co., Inc., 697 Main St., Belleville 9, N. J.
Kimball Safety Prod. Co., 9310 Wade Park Ave., Cleveland 6, Ohio.
Kirk, Morris P., & Son, Inc., 2717 S. Indiana St., Los Angeles 23, Calif.
Klein, Mathias, & Sons, 3200 Belmont Ave., Chicago 18, Ill.
Klem Chemicals, Inc., 14401 Lamon, Dearborn, Mich.
Klenk, Karl, 107 E. 5th St., Wilmington 1, Del.
Kling Bros. Engrg. Works, 1308 N. Kostner Ave., Chicago 51, Ill.
Knoles Fabricating Co., 1522 N. Indiana St., Los Angeles 33, Calif.
Knox Mfg. Co., 819 Cherry St., Philadelphia 7, Pa.
Knu Vise, Inc., 2200 Eighth St., Detroit 16, Mich.
Koppers Co., Inc., Tar Products Div., Wailes Dov. Hermiston Dept., 449 S. Ave., Westfield, N. J.
Korn Leather Co., Peabody, Mass.
Kraeuter & Co., Inc., 585 18th Ave., Newark 3, N. J.
Krembs & Co., 669 W. Ohio St., Chicago 10, Ill.
Krieg, Charles W., Co., 52 Dickerson St., Newark 4, N.J.
Kriewaldt Specialty Mfg. Co., Oconto, Wis.
Krohn Mfg. & Supply Co., Centreville, Mich.
Kropp Forge Co., 5301 W. Roosevelt Rd., Chicago 50, Ill.
Kunkle Valve Co., 121 S. Clinton St., Ft. Wayne 2, Ind.
Kwikheat Mfg. Co., 3732 San Fernando Rd., Glendale 4, Calif.

L

Laacke, R., Co., 1635 N. 3rd St., Milwaukee, Wis.
Laclede-Christy Co., 1711 Ambassador Bldg., St. Louis 1, Mo.

Ladish Co., 5481 S. Packard Ave., Cudahy, Wis.
Lake Chemical Co., 3052 W. Carroll Ave., Chicago 12, Ill.
Lamson & Sessions Co., 3101 27th Ave., N., Birmingham, Ala.
Lapeer Mfg. Co., 3056 Davidson Rd., Lapeer, Mich.
Lapsco Enterprises, 3915 N. Georgia, Box 263, Oklahoma City 6, Okla.
Larkin Lectro Pdts Corp., P. O. Box 687, Pine Bluff, Ark.
Laughlin, Thomas Co., The, 143 Fore St., Portland 6, Me.
Layne—Held Corp., 114 W. 19th St., Higginsville, Mo.
Leader Welding & Mfg. Co., 2418 Sixth St., Berkeley, 2, Calif.
Le Jay Mfg. Co., 2900 Emerson Ave., S., Minneapolis 8, Minn.
Lee, K. O., Co., Congress at First, Aberdeen, S. D.
Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
Leetonia Tool Co., The, 142 Main St., Leetonia, Ohio.
Lehigh Safety Shoe Co., Race & Court St., Allentown, Pa.
Lenape Hydraulic Pressing & Forging Co., Box 536, West Chester, Pa.
Lepel High Frequency Lab., Inc., 39 W. 60th St., New York 23, N. Y.
Leslie Co., 394 Delafield Ave., Lyndhurst, N. J.
LeTourneau, R. G., Inc., 2301 N. Adams St., Peoria, Ill.
Lewis Machine Co., The, 3441 E. 76th St., Cleveland 27, Ohio.
Lichtman & Sons, 241 Frelinghuysen Ave., Newark 5, N.Y.
Lignum Vitae Products Corp., 96 Boyd St., Jersey City, N. J.
Lincoln Elec. Co., The, 12818 Coit Rd., Cleveland 1, Ohio.
Lincoln Engineering Co., 5701 Natural Bridge Ave., St. Louis 20, Mo.
Linde Air Products Co., A Div. of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Link, O. P., Handle Co., 1st, 2nd & 3rd Sts., Salem, Ind.
Link Welder Corp., 13684 W. Buena Vista, Detroit 27, Mich.
Lintern Corp., The, 58 Lincoln Ave., Berea, Ohio.
Liquid Carbonic Corp., The, Walls Chemical Div., 3110 S. Kedzie Ave., Chicago 23, Ill.
Lonergan, J. E., Co., 2nd & Race Sts., Philadelphia 6, Pa.
Louisville Cap Co., 30th & Jefferson Sts., Louisville 12, Ky.
Lucas-Milhaupt Engineering Co., 5051 S. Lake Dr., Cudahy, Wis.
Lufkin Rule Co., 1630 Hess St., Saginaw, Mich.
Lukens Steel Co., 308 S. First Ave., Coatesville, Pa.
Lunkenheimer Co., P.O. Box 360, Annex Sta., Cincinnati 14, Ohio.
Lutz File & Tool Co., 1905 Lexington Ave., Cincinnati 12, Ohio.
Lyon Metal Products, Inc., 200 Madison Ave., Aurora, Ill.

Mc

McAn, Thom, Safety Shoe Div. of Melville Shoe Corp., 25 W. 43rd St., New York 18, N. Y.
McBurney, A. D., 317 E. 4th St., Los Angeles 13, Calif.
McCabe Mfg. Co., 9 Water St., Lawrence, Mass.
McCauley Alloy Sales Co., 407 S. Dearborn St., Chicago 5, Ill.
McClary & Byers Equip. Co., 731 55th St., Oakland 9, Calif.
McDonald, B. F., Co., 5112 S. Hoover St., Los Angeles 37, Calif.
McGill Mfg. Co., Inc., 259 Indiana Ave., Valparaiso, Ind.
McGonegal Mfg. Co., Railroad Ave. & Mozart St., East Rutherford, N. J.
McGraw-Hill Book Co., 330 W. 42nd St., New York 18, N. Y.
McHale Mfg. Co., 3200 E. Mines Ave., Los Angeles 23, Calif.
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa.
MacDermid, Inc., Waterbury 88, Conn.
MacDonald Co., Inc., The, 805 W. 4th St., Reno, Nev.
MacLeod Co., The, 2232-2240 Bogen St., Cincinnati 22, Ohio.
MacMillan Co., 60 Fifth Ave., New York 11, N. Y.

M

M-B Products, 46 Victor Ave., Detroit 3, Mich.
Macklin Co., 2914 Wildwood Ave., Jackson, Mich.
Magnaflux Corp., 5900 Northwest Hwy., Chicago 31, Ill.
MagneTrode Corp., 1708 Main St., Kansas City 8, Mo.
Magnolia Metal Co., 18 W. Jersey St., Elizabeth 4, N. J.
Mahr Mfg. Co., Div. Diamond Iron Works, 1728 N. 2nd St., Minneapolis 11, Minn.
Maitlen & Benson, Inc., 1395 Obispo Ave., Long Beach 4, Calif.
Makepeace Co., D. E., Pine & Dunham Sts., Attleboro, Mass.
Mall Tool Co., 7740 S. Chicago Ave., Chicago 19, Ill.
Mallory, P. R., & Co., Inc., 3029 E. Washington St., Indianapolis 6, Ind.
Manco Mfg. Co., Washington Ave. & Grove Sts., Bradley, Ill.
Manganese Steel Forge Co., Richmond St. & Castor Ave., Philadelphia 34, Pa.
Manning, Maxwell & Moore, Inc., 11 Ellas St., Bridgeport 2, Conn.
Manning, Maxwell & Moore, Inc., Shaw-Box Crane & Hoist Div., Broadway & Park Ave., Muskegon, Mich.
Manual Arts Press, 237 N. Monroe St., Peoria 3, Ill.
Manufacturer's Brush Co., The, 12501 Elmwood Ave., Cleveland 11, Ohio.
Marcus Transformer Co., Inc., 32-34 Montgomery St., Hillside 5, N. J.
Marion Electrical Instrument Co., 400 Canal St., Manchester, N. H.
Marison Co., The, Mill & River Sts., P. O. Box 178, South Elgin, Ill.
Markal Co., 3052 W. Carroll Ave., Chicago 12, Ill.
Market Forge Co., 27 Garvey St., Everett 49, Mass.
Marquette Mfg. Co., Inc., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Marsh Heating Equipment Co., Div. of Jas P. Marsh Corp., 2073 Southport Ave., Chicago 14, Ill.
Marsh Instrument Co., Sales Affiliate, Jas. P. Marsh Corp., 3501 Howard St., Skokie, Ill.
Martin Electric Co., 3040 E. Outer Dr., Detroit 34, Mich.
Mason Neilan Regulator Co., 1190 Adams St., Boston 24, Mass.
Massillon Refractories Co., The, Box 557, Massi, Massillon, Ohio.
Master Company, 4444 Brooklyn Ave., Los Angeles, Calif.
Master Electric Co., 126 Davis Ave., Dayton 1, Ohio.
Master Pneumatic Tool Co., Inc., 148 Peniman Rd., Orwell, Ohio.
Master Rule Mfg. Co., Inc., 40 Mulberry St., Middletown, N. Y.
Master Vibrator Co., 200 Davis Ave., Dayton 1, Ohio.
Mauk, A. K., 7501 Hamilton Ave., Pittsburgh 8, Pa.
Maurath, Inc., 21800 Miles Ave., Cleveland 22, Ohio.
Mayhew Steel Products, Inc., 30 Bridge St., Shelburne Falls, Mass.
Mechanics Engrg. Co., Inc., 229 W. Pearl St., Box 243, Jackson, Mich.
Meco Welding Supply Co., 4835 S. Western Blvd., Chicago 9, Ill.
Medart Co., 100 Potomac St., St. Louis 18, Mo.
Mellaphone Corp., Inc., 1462 E. Main St., Rochester 9, N. Y.
Merit Products, Inc., 4023 Irving Pl., Culver City, Calif.
Merix Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
Metal Bond Mfg. Co., 3201 Kossuth Ave., St. Louis 7, Mo.
Metal & Thermit Corp., 100 E. 42nd St., New York 17, N. Y.
Metallizing Co. of America, 3520 W. Carroll Ave., Chicago 24, Ill.
Metallizing Engineering Co., Inc., 38-14 30th St., Long Island City 1, N. Y.
Metalloy Products Co., 1351 E. 17 St., Los Angeles 54, Cal.
Metallurg, Inc., 100 Park Ave., New York 17, N. Y.
Metalspray Co., Inc., 114 W. Elmyra St., Los Angeles 12, Calif.
Metro Mfg. Co., 38-11 31st St., Long Island City 1, N. Y.
Metron Instrument Co., 432 Lincoln St., Denver 9, Colo.
Mexico Refractories Co., Cole & Love Sts., Mexico, Mo.
Michigan Abrasive Co., 2360 W. Jefferson Ave., Detroit 16, Mich.
Michigan Clamp Co., Box 243, Jackson, Mich.
Michigan Steel Casting Co., 1999 Guoin St., Detroit 7, Mich.
Michigan Steel Tube Products Co., 9450 Buffalo St., Detroit 12, Mich.
Micro Products Co., 20 N. Wacker Dr., Chicago 6, Ill.
Midland Paint & Varnish Co., The, 3801 E. 91st St., Cleveland 5, Ohio.
Mid-States Welder Mfg. Co., 6025 S. Ashland Ave., Chicago 36, Ill.
Mid West Abrasive Co., 510 S. Washington St., Owosso, Mich.
Midwest Piping & Supply Co., Inc., 1450 S. 2nd St., St. Louis 4, Mo.
Midwest Tool & Mfg. Co., 2254 W. Jefferson Ave., Detroit 16, Mich.
Milburn, Alexander, Inc., 1231-45 Ridgely St., Baltimore 30, Md.
Milburn Co., 3246 E. Woodbridge, Detroit 7, Mich.
Miles, John R. R., Inc., 214 4th Ave., S. E., Minneapolis 15, Minn.
Miller Co., The, Meriden, Conn.
Miller Electric Mfg. Co., 247 Riverside Ave., Jacksonville 4, Fla.
Miller Electric Mfg. Co., 718 S. Bounds St., Appleton, Wis.
Millers Falls Co., 57 Wells St., Greenfield, Mass.
Milwaukee Brush Mfg. Co., The, 2236 N. 30th St., Milwaukee 45, Wis.
Milwaukee Elec. Tool Corp., 5316 W. State St., Milwaukee 8, Wis.
Mine Safety Appliance Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Minneapolis Honeywell Reg. Co., Industrial Div., Wayne & Windrim Aves., Philadelphia 44, Pa.
Minnesota Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
Mir-O-Col Alloy Co., Inc., 312 N. Ave. 21, Los Angeles 31, Calif.
Misener Manufacturing Co., Inc., 202-8 S. Walton St., Syracuse, N. Y.
Mississippi Valley Struct. Steel Co., 3117 Big Bend Rd St. Louis, Mo.
Mitchell Supply Co., 312 Plymouth Ave., No., Minneapolis 11, Minn.
Modern Engineering Co., Inc., 3401-15 Pine Blvd., St. Louis 3, Mo.
Montpelier Glove Co., Montpelier, Ind
Moorwood Mfg. Co., 1718 E. Florence St., Los Angeles 1, Calif.
Morey Flux & Chem. Co., 1813 Williamson St., Wilmington 99, Del.
Morgan Vise Co., 108 N. Jefferson St., Chicago 6, Ill.
Morse Twist Drill & Machine Co., 163 Pleasant St., New Bedford, Mass.
Morton Manufacturing Co., Broadway & Hoyt, Muskegon Heights, Mich.
Morton Salt Co., 120 S. La Salle St., Chicago 3, Ill.
Moslo Machinery Co., 2443 Prospect Ave., Cleveland 15, Ohio.
Motor Wheel Co., Lansing, Mich.
Mott Products Co., 524 N. Jackson St., Jackson, Mich.
Mowatt, Geo. R., Co., 24 W. 40th St., N. Y. 18, N. Y.
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich.
Mueller Co., 512 W. Cerro Gordo St., Decatur, Ill.
Mueller Electric Co., 1583 E. 31st St., Cleveland 14, Ohio.
Mulconroy Co., 54th & Jefferson St., Philadelphia 31, Pa.
Mullenbach Electric Mfg. Co., 2300 E. 27th St., Los Angeles 58, Calif.
Multi-Hydromatic Welding & Mfg. Co., 23171 Groesbeck Hwy., E., Detroit, Mich.
Multi Products Tool Co., 123 Sussex Ave., Newark 4, N.J.
Munton Mfg. Co., 9400 Belmont Ave., Franklin Park, Ill.
Murine Co., Inc., The, 660 N. Wabash Ave., Chicago 11, Ill.

N

Nageldinger, John, & Son, Inc., 409 E. 91st St., New York 28, N. Y.
National Cable Corp., 2737 S. 34th St., Milwaukee 15, Wis.
National Carbide Corp., Div., Air Reduction Co., Inc., 60 E. 42nd St., New York 17, N. Y.
National Carbon Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
National Cylinder Gas Co., 840 N. Michigan Ave., Chicago 11, Ill.
National Elec. Products Co., 1310 Chamber of Commerce Bldg., P. O. Box 897, Pittsburgh 30, Pa.
National Elec. Weld. Mach. Co., 1846-1916 N. Trumbul St., Bay City, Mich.
National Lead Co., 111 Broadway, Room 1815, New York 6, N. Y.
National Machine Tool Co., 1536 Clark St., Racine, Wis.
National Powder Extinguisher Corp., 50 Rockefeller Plaza, New York 20, N. Y.
National Screw & Mfg. Co., Chester Hoist Div., The, Lisbon, Ohio.
National Steel Corp., Ecorse, Detroit 18, Mich.
National Supply Co., 3320 Bishop St., Toledo 1, Ohio.
National Time & Signal Corp., 21800 Wyoming Ave., Detroit 20, Mich.
National Tube Co., U. S. Steel Corp. Subsidiary, Frick Bldg., Pittsburgh 19, Pa.
National Twist Drill & Tool Co., Rochester, Mich.
National Welders Supply Co., Inc., 1230 S. Tryon St., Charlotte 1, N. C.
National Welding Equipment Co., Ltd., 218 Fremont St., San Francisco 5, Calif.
Naylor Pipe Co., 1230 E. 92nd St., Chicago 19, Ill.
Neilson Wheel Co., 1614 N. 12th St., Milwaukee 5, Wis.
Nelson, Herman, Div., Amer. Air Filter Co., Inc., 1824 Third Ave., Moline, Ill.
Nelson Stud Welding, Div. of Morton Gregory Corp., E. 28th & Toledo Ave., Lorain, Ohio.
Nelsonville Fdry. & Machine. Co., 1021-81 Chestnut, Nelsonville, Ohio.
New Britain Machine Co., South St., New Britain, Conn.
New England Gas Prdts., Inc., 40 Central St., Room 700, Boston 9, Mass.
New Mexico Steel Co., 510 W. Marquette, Albuquerque, N. M.
N. Y. Belting & Packing Co., 1 Market St., Passaic, N.J.
Newhall Chain Forge & Iron Co., Westwood, N. J.
Niagara Machine & Tool Works, 637-697 Northland Ave., Buffalo 11, N. Y.
Nicholson File Co., 23 Acorn St., Providence 6, R. I.
Niles Fire Brick Co., 165 E. Park Ave., Niles, Ohio.
Norgren, C. A., Co., 222 Santa Fe Dr., Denver 9, Colo.
North American Mfg. Co., 2910 E. 75th St., Cleveland 4, Ohio.
North American Philips Co., Inc., 100 E. 42nd St., New York 17, N. Y.
North American Press, 728 N. 7th St., Milwaukee 1, Wis.
North American Refractories Co., 1012 National City Bank Bldg., Cleveland 14, Ohio.
Northeast Metals Co., 4124 Torresdale Ave., Philadelphia 24, Pa.
Northern Engineering Works, 2615 Atwater St., Detroit 7, Mich.
Northrop Aircraft, Inc., Hawthorne, Calif.
Norton Co., 1 New Bond St., Worcester 6, Mass.
Nox Rust Chemical Corp., 2443 S. Halsted St., Chicago 8, Ill.
Nu Steel Co., 1714 S Ashland Ave., Chicago 8, Ill.
Nutt, The Buell W. Co., 2225 S. Hoover St., Los Angeles, Calif.
Nye Tool & Machine Co., 4120 Fullerton Ave., Chicago 39, Ill.

O

O.K.I. Welding Supply Co., 1630 Walnut St., Cincinnati 10, Ohio.
O. Z. Electrical Mfg. Co., Inc., 262 Bond St., Brooklyn 2, N. Y.
Oakite Products, Inc., 22 Thames St., New York 6, N.Y.
Ohio Carbon Co., The, 12508 Berea Rd., Cleveland 11, Ohio.
Ohio Crankshaft Co., Tocco Div., 3800 Harvard Ave., Cleveland 1, Ohio.
Ohio Injector Co., 200 S. Injector St., Wadsworth, Ohio.
Ohio Nut & Bolt Co., 25 First Ave., Berea, Ohio.
Ohio Seamless Tube Co., 132-140 W. Maine St., Shelby, Ohio.
Ohlen Bishop Mfg. Co., 901 Ingleside Ave., Columbus 8, Ohio.
Ohmer, George H., P. O. Box 34, Sta. D, Dayton 10, Ohio.
Ohmite Mfg. Co., 4835 W. Flournoy St., Chicago 44, Ill.
Ohmstede Machine Works, 897 N. Main St., Beaumont, Tex.
Oklahoma Oxygen Co., 2750 Sand Spring Rd., P. O. Box 910, Tulsa 1, Okla.
Okonite Co., 946 Canal St., Passaic, N. J.
Olsen, Lester S., 505 W. Cherry St., Milwaukee 12, Wis.
Olympic Glove Co., 95 Madison Ave., New York 16, N. Y.
Omicron Co., The, 532 W. Windsor Rd., P. O. Box 907, Glendale 4, Calif.
O'Neil-Irwin Mfg. Co., 300 8th Ave., Lake City, Minn.

Optimus Equipment Co., Matawan, N. J.
Osage Metal Co., Inc., 1413 S. Blackwelder Ave., P. O. Box 2445, Oklahoma City, Okla.
Osborn Mfg. Co., 5401 Hamilton Ave., Cleveland 14, Ohio.
Osmundson Spade Mfg. Co., Perry, Ia.
Oster Mfg. Co., 2057 E. 61st Pl., Cleveland, Ohio.
Overly, Chas. F., Co., 1753 Rosedale Ave., Cleveland 12, Ohio.
Owatonna Tool Co., 340 N. Cedar St., Owatonna, Minn.
Owen Electric Co., Fayetteville, N. C.
Oxford Tool Co., 1633-5-7 N. 2nd St., Philadelphia 22, Pa.
Oxo Welding Equipment Co., 1235 W. 95th St., Chicago 43, Ill.
Oxweld Railroad Service Co., Unit of Union Carbide & Carbon Corp., 230 N. Michigan Ave., Chicago 1, Ill.

P

Paasche Airbrush Co., 1909 Diversey Pkwy., Chicago 14, Ill.
Pacific Acetylene Co., 2205 Newton Ave., San Diego, Calif.
Pacific Carbide & Alloys Co., P. O. Box 5607, Kenton Station, Portland 17, Ore.
Pacific Engrg. Corp., 3123 San Fernando Rd., Los Angeles 41, Calif.
Pacific Oxygen Co., 2205 Magnolia St., Oakland 7, Calif.
Page Steel & Wire Div., American Chain & Cable Co., Inc., Monessen, Pa.
Paine Co., The, 2951 Carroll Ave., Chicago 12, Ill.
Pake Corp., Minneapolis 11, Minn.
Pal-Weld Mfg. Co., 103 Lander St., Seattle 4, Wash.
Palmer Shile Co., 7107 W. Jefferson Ave., Detroit 17, Mich.
Pandjiklis Weldment Co., The, 5151 Northrup Ave., St. Louis 10, Mo.
Pangborn Corp., Hagerstown, Md.
Park Metalware Co., Orchard Park, N. Y.
Parker, Charles, Co., 50 Hanover St., Meriden, Conn.
Parker Appliance Co., 17325 Euclid Ave., Cleveland 12, Ohio.
Parker Kalon Corp., 200 Varick St., New York 14, N. Y.
Parsons Engineering Corp., 2545 E. 79th St., Cleveland 4, Ohio.
Patent Specialties, Inc., 10307 N. W. 7th Ave., Miami 38, Fla.
Paulsen Webber Cordage Corp., 170-176 John St., New York 7, N. Y.
Peck, Cecil C., 4614 Prospect Ave., Cleveland 3, Ohio.
Peck, Stow & Wilcox Co., Center St., Southington, Conn.
Pedrick Tool & Mach. Co., 3640 N. Lawrence St., Philadelphia 40, Pa.
Peer, Inc., 1220 Milton St., Benton Harbor, Mich.
Peerless Machine Co., 1600 Junction Ave., Racine, Wis.
Pelton-Kurtz Supply Co., 2609 E. Larned St., Detroit, Mich.
Peninsular Grinding Wheel Co., 729 Meldrum Ave., Detroit 7, Mich.
Penn Tool & Machine Co., Danville, Ill.
Penn. Salt Mfg. Co., Special Chemicals Dept., Widener Bldg., Phila. 7, Pa.
Penton Publishing Co., The, Penton Bldg., Cleveland 13, Ohio.
Perfecto Lug & Cable Connector Co., 2640 W. Van Buren St., Chicago 12, Ill.
Peters-Dalton, Inc., 17902 Ryan Rd., Detroit 12, Mich.
Petersen Mfg. Co., Inc., Dewitt, Neb.
Peterson Welding Laboratories, Inc., 1423 Virginia Ave., Kansas City 6, Mo.
Phelps Dodge Copper Products Corp., 40 Wall St., New York 5, N. Y.
Philadelphia Chain Block & Mfg. Co., Inc., Mascher & Norris Sts., Philadelphia 22, Pa.
Philadelphia Quartz Co., 1146 Public Ledger Bldg., 6th & Chestnut Sts., Philadelphia 6, Pa.
Phillips, C. E., & Co., 2750 Poplar St., Detroit 8, Mich.
Phillips Mfg. Co., 3475 Touhy Ave., Chicago 45, Ill.
Phosphor Bronze Corp., 20 Franklin St., Seymour, Conn.
Photologue Publishing Co., 600 W. Jackson Blvd., Chicago 6, Ill.
Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
Photovolt Corp., 97 Madison Ave., New York 16, N. Y.
Picker X-Ray Corp., 300 4th Ave., New York 10, N. Y.
Pierce Governor Co., Inc., The, 1625 Ohio Ave., Anderson, Ind.
Pigg, Marvin H., 928 Arnold St., Galesburg, Ill.
Pioneer Welding Mfg. Co., 934 2nd St., Kalamazoo, Mich.
Pitman Publishing Corp., 2 W. 45th St., New York 19, N. Y.
Pittsburgh Metals Purifying Co., 1352 Marvista St., Pittsburgh 12, Pa.
Pittsburgh Plate Glass Co., Brush Div., 3221 Frederick Ave., Baltimore 29, Md.
Pittsburgh Steel Co., 1642 Grand Bldg., Pittsburgh 30, Pa.
Plastal Mfg. Co., 1212 E. Green St., Pasadena 5, Calif.
Plastic Wire & Cable Co., 403 E. Main St., Jewett City, Conn.
Pilbrico Jointless Firebrick Co., 1800 Kingsburg St., Chicago 14, Ill.
Plomb Tool Co., 2209 Santa Fe Ave., Los Angeles 54, Calif.
Plumb, Fayette R., Inc., 4837 James St., Philadelphia 37, Pa.
Plykrome Corp., 70 Pine St., New York 5, N. Y.
Popular Mechanics, 200 E. Ontario, Chicago 11, Ill.
Porter-Cable Machine Co., 1714 N. Salina St., Syracuse 8, N. Y.
Porter, C. O., Machinery Co., 666 Front Ave., Grand Rapids 7, Mich.
Porter, H. K., Inc., 74 Foley St., Somerville 43, Mass.
Potter Instrument Co., 136-56 Roosevelt Ave., Flushing, L. I., N. Y.
Powder Weld Process Co., 419 Kent Ave., Brooklyn 11, N. Y.
Powell, Wm., Co., 2525 Spring Grove Ave., Cincinnati 22, Ohio.
Power Tools, 2657 W. 95th St., Evergreen Park, Ill.
Pratt-Brayman Co., Osceola, Mich.
Pratt & Whitney Div., Niles Bement Pond Co., West Hartford 1, Conn.
Precision Welder Mfg. Co., 660 W. Grand Ave., Chicago 10, Ill.
Precision Scientific Co., 1736-54 N. Springfield Ave., Chicago 47, Ill.
Precision Welder & Machine Co., 138 E. McMicken Ave., Cincinnati 10, Ohio.
Pressed Steel Tank Co., 1443 S. 66th St., Milwaukee 14, Wis.
Presstite Engrg. Co., 3900 Chouteau Ave., St. Louis 10, Mo.
Pressure Products Corp., 140 N. Dearborn St., Chicago 2, Ill.
Prier Brass Mfg. Co., 7719 15th St., Kansas City, Mo.
Primeweld Corp., 8850 Mark Twain, Detroit 28, Mich.
Production Devices, Inc., N. William St., Whitehall, N. Y.
Progressive Welder Co., 3070 E. Outer Drive, Detroit 34, Mich.
Pulmosan Safety Equip. Corp., 644 Pacific Street, Brooklyn 17, N. Y.
Punch Lock Co., 321 N. Justine St., Chicago 7, Ill.
Pure Carbon Co., Inc., 441 Hall Ave., St. Mary's, Pa.
Purity Cylinder Gases, Inc., 574 S. Division Ave., Grand Rapids 3, Mich.
Pyle-National Co., 1334 N. Kostner Ave., Chicago 51, Ill.
Pynosol Laboratories, Inc., 1714 S. Ashland Ave., Chicago 8, Ill.
Pyrene Mfg. Co., 560 Belmont Ave., Newark 8, N. J.

Q

Quadriga Mfg. Co., 213 W. Grand Ave., Chicago 10, Ill.
Quaker Chem. Prods. Corp., Lime, Elm & Sandy St., Conshohocken, Pa.
Quaker Rubber Corp., Tacony & Comly Sts., Philadelphia 24, Pa.
Quality Tools Corp., New Wilmington, Pa.
Quigley Co., Inc., 527 5th Ave., New York 17, N. Y.
QuiJada Tool Co., Inc., 5474 Alhambra Ave., Los Angeles 32, Calif.

R

R-D Co., P. O. Box 912, Flint, Mich.
R-S Prods. Corp., 4530 Germantown Ave., Philadelphia 44, Pa.
Rabin Glove Co., 407 Grove St., Jersey City, N. J.
Racine Glove Co., Inc., Box 202, Rio, Wis.
Racine Tool & Machine Co., 1760 State St., Racine, Wis.
Radiant Lamp Corp., 300 Jelliff Ave., Newark 8, N. J.
Radio Corp. of America, Camden, N. J.
Radio Corp. of America, R.C.A. Tube Dept., 415 S. 5th St., Harrison, N. J.
Radium Chemical Co., Inc., 570 Lexington Ave., New York 22, N. Y.
Ragel, J. M., Industries, 4029 Indiana Ave., Kansas City 4, Mo.
Railway Track Work Co., Clementine, Thompson & Mercer Sts., Philadelphia, Pa.
Randall Graphite Bearings, Inc., 207 E. Market, Lima, Ohio.
Randall Mfg. Co., 1852 Burlington Ave., N. Kansas City 16, Mo.
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Rankin Mfg. Co., 3072 W. Pico Blvd., Los Angeles 6, Calif.
Ransome Div., Worthington Pump & Machy. Corp., 2nd St., Dunellen, N. J.
Rapid Mfg. Co., Inc., 6305 San Fernando Rd., Glendale 1, Calif.
Rapid Titan Mfg. Co., 635 Michigan Trust Bldg., Grand Rapids 2, Mich.
Rapidesign, Inc., 111-B S. Orange St., Glendale 4, Calif.
Rasmussen Iron Works, 1007 W. Philadelphia St., Whittier, Calif.
Ray Proof Corp., 513 W. 54th St., New York 19, N. Y.
Raybestos-Manhattan, Inc., Packing Div., Manheim, Pa.
Raybestos Manhattan, Inc., Manhattan Rubber Div., 61 Willett St., Passaic, N. J.
Raybestos-Manhattan, Inc., 42 Townsend St., Passaic, N.J.
Raytheon Mfg. Co., Equipment Sales Div., 190 River St., Waltham 54, Mass.
Reading, Pratt & Cady Valve Div., American Chain & Cable Co., Inc., Reading, Pa.
Red Devil Tools, Inc., 130 Colt St., Irvington, N. J.
Reed Engineering Co., 1003 W. Fairview, P. O. Box 415, Carthage, Mo.
Reed Mfg. Co., 1425 W. 8th St., Erie, Pa.
Rees, Mackworth G., Inc., 1573 E. Forest Ave., Detroit 7, Mich.
Reid-Avery Co., Dundalk, Baltimore 22, Md.
Reiner & Campbell Co., Inc., 19 Euclid Ave., Newark, N. J.
Reinhold Publishing Corp., 330 W. 42nd St., New York 18, N. Y.
Reliance Steel Div., Detroit Steel Corp., 1170 Ivanhoe Rd., Cleveland 10, Ohio.
Reltool Corp., 4540 W. Burnham St., Milwaukee 14, Wis.
Remont Manufacturing Co., 13th & Meyers Rd., Lombard, Ill.
Republic Drill & Tool Co., 322 S. Green St., Chicago, Ill.
Republic Rubber Div., Lee Rubber & Tire Corp., Albert St., Youngstown 1, Ohio.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio.
Research Industries, Ltd., 419 Book Bldg., Detroit 26, Mich.
Resistance Welder Corp., 116 First St., Bay City, Mich.
Resistance Welder Mfrs. Assn., 505 Arch St., Philadelphia, Pa.
Resisto-Loy Co., 127 Bayliss St., S. W., Grand Rapids 7, Mich.
Resistoflex Corp., 39 Plameson St., Belleville 9, N. J.
Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
Revolvator Co., U. S. Route 1, North Bergen, N. J.
Rex Welder & Engrg. Co., 1316 E. 10th, Kansas City 6Z, Mo.
Reynolds Metals Co., 2500 S. 3rd St., Louisville 1, Ky.
Richards, Arkley S., Co., Inc., 72 Winchester St., New Highlands 61, Mass.
Richards Wilcox Mfg. Co., 176 3rd St., Aurora, Ill.
Ridge Tool Co., 400 Clark St., Elyria, Ohio.
Riehle Testing Machines Div., American Machine & Metals, Inc., East Moline, Ill.
Riverside Iron & Engineering Works, Ltd., 803 24th Ave., S. E., Calgary, Alberta, Canada.
Riverside Machinery Co., 10632 S. Michigan Ave., Chicago, Ill.
Riverside Metal Co., Riverside, Burlington Co., N. J.
Roberts, R. D., 2439 N. Cambridge Ave., Chicago 14, Ill.
Roberts, Weldon, Rubber Co., 351-365 Sixth Ave., Newark 7, N. J.
Robertson Mfg Co., S. Pennsylvania Ave. & Green St., Morrisville, Pa.
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield 99, Ohio.
Robwon Corp., 2440 Larimer St., Denver 2, Colo.
Rockuber Corp., Rapid City, S. D.
Rockwell, W. S., Co., 50 Church St., New York 7, N. Y.
Roebling's Sons Co., John A., 640 S. Broad St., Trenton 2, N. J.
Roesch Tool Products, 3338 S. Robertson Blvd., Los Angeles 34, Calif.
Rome Cable Corp., Ridge St., Rome, N. Y.
Roots Connersville Blower Corp., 900 W. Mount St., Connersville, Ind.
Ross, J. O., Engineering Corp., 350 Madison Ave., New York 17, N. Y.
Rotor Tool Co., The, 17325 Euclid Ave., Cleveland 20, Ohio.
Round, David, & Son, Aurora & Solon Rd., Cleveland 5, Ohio.
Roylyn, Inc., 718 W. Wilson Ave., Glendale 3, Calif.
Rubicon Co., Ridge Ave. at 35th St., Philadelphia, Pa.
Ruby Chemical Co., The, 68-70 McDowell St., Columbus 8, Ohio.
Ruemelin Mfg. Co., 3860 N. Palmer St., Milwaukee 12, Wis.
Russell Electric Co., 4501 S. Western Blvd., Chicago, Ill.
Russell, Frank, Glove Co., Berlin, Wis.
Rust Oleum Corp., 2413 Oakton St., Evanston, Ill.
Rustless Iron & Steel Corp., Baltimore 13, Md.
Ryerson, J. T., & Son, Inc., 2558 W. 16th St., Chicago 8, Ill.
Ryman Engineering Co., Inc., 523 Spring Ave., Ellwood City, Pa.

S

S. C. Leather Co., 819 5th Ave., Pittsburgh 19, Pa.
S-M-S Corp., 1165 Harper Ave., Detroit 11, Mich.
Safety Clothing & Equip. Co., 7016 Euclid Ave., Cleveland 3, Ohio.
Safety Gas Lighter Co., 56 Sanderson Ave., Lynn, Mass.
Safety Grinding Wheel Co., 2258 Columbus Ave., Springfield, Ohio.
St. John X-Ray Lab., Califon, N. J.
St. Pierre Chain Corp., 50 Frank St., Worcester 4, Mass.
Salem Tool Co., 767 S. Ellsworth Ave., Salem, Ohio.
Sales Service Mach. Tool Co., 2349 University Ave., St. Paul 4, Minn.
Salsbury Corp., 1161 E. Florence Ave., Los Angeles 1, Calif.
Sand-O-Flex Corp., 4373 Melrose Ave., Los Angeles 27, Calif.
Sandusky Abrasive Wheel Co., 623 W. Ransom St., Kalamazoo 18, Mich.
Sandvik Saw & Tool Corp., 47 Warren St., New York 7, N. Y.
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Saylor Beall Mfg. Co., St. John, Mich.
Schnell Mills, Inc., 53 W. Jackson Blvd., Chicago, Ill.
Schoenberger, J. W., Co., 8810 Harvard St., Cleveland, Ohio.
Scholtz Engrg. Works, Waterloo, Iowa.
Schrader's Son, A., Div. of Scovill Mfg. Co., Inc., 470 Vanderbilt Ave., Brooklyn 17, N. Y.
Schramm, Inc., West Chester, Pa.
Schwerdtle Stamp Co., 166 Elm St., Bridgeport 3, Conn.
Sciaky Bros., Inc., 4915 W. 67th St., Chicago 38, Ill.
Scientific Elec., 119 Monroe St., Garfield, N. J.
Scientific Research Co., 1618 N. Vancouver Ave., Portland 12, Ore.
Scott Mfg. Co., 11 E. 17th St., Kansas City 8, Mo.
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn.
Sears, Roebuck & Co., 925 S. Homan Ave., Chicago 7, Ill.
Security Valve Co., 410 N. San Fernando Rd., Los Angeles 31, Calif.
Selas Corp. of America, Erie Ave. & D St., Philadelphia 34, Pa.
Sell, H. H., Electric Co., 1907 Willow Ave., N., Minneapolis 11, Minn.
Sellstrom Mfg. Co., 626 N. Aberdeen St., Chicago 22, Ill.
Service Machine Co., 156 Miller St., Elizabeth 4, N. J.
Seymour Mfg. Co., The, 15 Franklin St., Seymour, Conn.
Shallcross Mfg. Co., 520 Pusey Ave., Collingdale, Pa.
Sharon Steel Corp., Sharon, Pa.
Shawinigan Products Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Shepard-Niles Crane & Hoist Co., 472 Schuyler Ave., Montour Falls, N. Y.
Sherman & Co., 36-07 Prince St., Flushing, N. Y.
Sherman, H. B., Mfg. Co., 22 Barney St., Battle Creek, Mich.
Shielded Stud Welding Co., 124 W. 4th St., Los Angeles, Calif.
Shober Sales, Inc., 900 W. Weber Ave., Stockton, Calif.
Shook Bronze Corp., Greenlawn & Lake Sts., Lima, Ohio.
Shoot-A-Lite Corp., 75 West St., New York 6, N. Y.
Shrader, F. W., Co., 5788 W. Washington Blvd., Culver City, Calif.

Sierra Oxygen Co., 1300 East Second St., Reno, Nev.
Sierra Welding Flux Co., P. O. Box 272, Temple City, Calif.
Slewek Tool Co., 2862 E. Grand Blvd., Detroit 2, Mich.
Sight Feed Generator Co., P. O. Box No. 38, West Alexandria, Ohio.
Silent Hoist & Crane Co., 841 63rd St., Brooklyn 20, N. Y.
Simonds Abrasive Co., Tacony & Fraley Sts., Philadelphia 37, Pa.
Simonds Saw & Steel Co., 470 Main St., Fitchburg, Mass.
Simonds, Worden, White Co., Summit St. at Negley Pl., Dayton 7, Ohio.
Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass.
Singer Leather Co., 129 N. 12th St., Philadelphia 7, Pa.
Sinoski, Gilbert S., 401 N. Broad St., Philadelphia 8, Pa.
Skilsaw, Inc., 5033 Elston Ave., Chicago 30, Ill.
Smith, A. O., Corp., 3533 N. 27th St., Milwaukee 10, Wis.
Smith Bros. Machine Shop, 5304 Banks St., San Diego, Calif.
Smith, Gordon & Co., Inc., 348 College St., Bowling Green, Ky.
Smith, G. W., & Sons, Inc., 5400 Kemp Rd., Dayton 3, Ohio.
Smith, Seymour, & Sons, Inc., Box 591, Oakville, Conn.
Smith Welding Equip. Corp., 2633 4th St., S. E., Minneapolis 14, Minn.
Smooth-On Mfg. Co., 572 Communipaw Ave., Jersey City 4, N. J.
Snap Tite, Inc., 1710 French St., Erie, Pa.
So-Lo Works, Twight Wee Rd., Loveland, Ohio.
Solar Aircraft Co., 2200 Pacific Hwy., San Diego 12, Calif.
Solo Horton Brush Co., Inc., 135 W. 19th St., New York 11, N. Y.
Solventol Chem. Prods., Inc., 15841 2nd Blvd., Detroit 3, Mich.
Sonneborn, L., Sons, Inc., 88 Lexington Ave., New York 16, N. Y.
Southern Oxygen Co., Inc., P. O. Box 5087, Washington 19, D. C.
Southwest Welding & Mfg. Co., Alhambra, Calif.
Spartan Saw Works, Inc., 152 Fisk Ave., Springfield 7, Mass.
Special Chemicals Corp., 30 Irving Pl., New York 3, N. Y.
Special Welding Alloy Co., Inc., 27-02 43rd Ave., Long Island City 1, N. Y.
Speedway Mfg. Co., 1834 S. 52nd Ave., Cicero 50, Ill.
Speer Carbon Co., Theresia St., St. Marys, Pa.
Sperry Products, Inc., Danbury, Conn.
Spring Specialty Co., 1219 W. Madison St., Maywood, Ill.
Square-D Co., Industrial Controller Div., 4041 N. Richards St., Milwaukee 12, Wis.
Stackpole Carbon Co., Tannery, St. Marys, Pa.
Stahmer Farm Equipment Co., 135 S. La Salle St., Chicago 3, Ill.
Standard Electrical Tool Co., 2488-96 River Rd., Cincinnati 4, Ohio.
Standard Electrode & Mfg. Co., 445 E. High St., Philadelphia 44, Pa.
Standard Machinery Co., 1475 Elmswood Ave., Providence 7, R. I.
Standard Pressed Steel Co., Jenkintown 13, Pa.
Standard Steel & Wire Co., Bolivar, Pa.
Standard Tool Co., 3950 Chester Ave., Cleveland 14, Ohio.
Standard Tube Co., 24400 Plymouth Rd., Detroit 28, Mich.
Standard X-Ray Co., 1932 N. Burling St., Chicago 14, Ill.
Stanley Elec. Tools, Div. of the Stanley Works, 480 Myrtle St., New Britain, Conn.
Stanley Tools, Div., of the Stanley Works, 111 Elm St., New Britain, Conn.
Star Mfg. Co., Div. of Illinois Iron & Bolt Co., Carpentersville, Ill.
Starrett, L. S., Co., Athol, Mass.
Stearns, Roger, Mfg. Co., 1720 California St., Denver 2, Colo.
Steel City Testing Machines, Inc., 8843 Livernois, Detroit 4, Mich.
Steel Sales Corp., 3348 S. Pulaski Rd., Chicago 23, Ill.
Steele Gases, Inc., 4337 W. Lake St., Chicago 24, Ill.
Steiner-Ives Co., 14 Ave. L, Newark 5, N. J.
Stephens-Adamson Mfg. Co., 9 Ridgeway Ave., Aurora, Ill.
Sterling Grinding Wheel Div. of The Cleveland Quarries Co., Tiffin, Ohio.
Sterling Tool Products Co., 362 E. Ohio St., Chicago 11, Ill.
Sterling Utilities Co., Inc., 74 Sedgwick St., Brooklyn 2, N. Y.
Stevens, C. H., & Co., Inc., Stevens Bldg., Cornwall Bridge, Conn.
Stevens-Walden, Inc., 475 Shrewsbury St., Worcester 4, Mass.
Stewart Iron Works Co., Inc., The, 1537 Stewart Block, Cincinnati 1, Ohio.
Stewart, Park, Box 101, Worthington, Pa.
Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill.
Stoody Co., 11928 E. Slauson Ave., Whittier, Calif.
Stow Mfg. Co., 7 Shear St., Binghamton, N. Y.
Strand, N. A., Div., The Balmar Corp., 5001 N. Wolcott Ave., Chicago 40, Ill.
Streichert, E. J., 1747 N. Crawford Ave., Chicago 39, Ill.
Strobel, Carl, Corp., 4700 Santa Fe, Los Angeles, Calif.
Struthers Wells Corp., 1003 Pennsylvania Ave., Warren, Pa.
Stryco Mfg. Co., 471 Natoma St., San Francisco 3, Calif.
Stutz-Sickles Co., 134 Lafayette St., Newark 5, N. J.
Sturtevant, B. F., Co., Div. of Westinghouse Elec., Hyde Park, Boston 36, Mass.
Sulfo, Inc., 1143 E. Jersey St., Elizabeth 4, N. J.
Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
Sunbeam Stewart Industrial Furnace Div., Sunbeam Corp., 4433 W. Ogden Ave., Chicago 23, Ill.
Sunbury Wire Rope Mfg. Co., 880 S. 2nd St., Sunbury, Pa.
Superior Air Products Co., 132 Malvern St., Newark 5, N. J.
Superior Carbon Products, Inc., 9115 George Ave., Cleveland 5, Ohio.
Superior Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.
Superior Flux & Mfg. Co., 1302 Ontario St., Cleveland 13, Ohio.
Superior Industrial Gas Corp., 23-34 47th St., Astoria, N. Y.
Superior Pneumatic, Div. of Bingham Herbrand Corp., 4758 Warner Rd., Cleveland 25, Ohio.
Superior Oxy-Acetylene Mach. Co., 1102 High St., Hamilton, Ohio.
Superior Steel Corp., Carnegie, Pa.
Superior Tube Co., 2204 Germantown Ave., Box 191, Norristown, Pa.
Superior Tube Corp., Chicago, Ill.
Superior Valve & Fittings Co., W. Liberty Ave., Pittsburgh 26, Pa.
Surface Combustion Corp., 2375 Dorr St., Toledo 7, Ohio.
Swartwout Co., 18511 Euclid Ave., Cleveland 12, Ohio.
Swartz & White Mfg. Co., Binghamton Flexible Shaft Div., 486 Chenango St., Binghamton, N. Y.
Swedish Iron & Steel Corp., 17 Battery Pl., New York, N. Y.
Swift Electric Welder Co., 8095 Livernois St., Detroit 4, Mich.
Swiss Laboratory, 1533 Hamilton Ave., Cleveland 14, Ohio.
Sylvania Electric Prods., Inc., Tungsten & Chemical Div., 718 Main St., Towanda, Pa.
Syntron Co., 815 Lexington Ave., Homer City, Pa.
Syracuse Alloy Metals Corp., 114 So. Salina St., Syracuse 2, N. Y.

T

Taco West Corp., 2620 S. Park Ave., Chicago, Ill.
Tal Bender, Inc., 417 N. Water St., Milwaukee 2, Wis.
Taylor, S. G., Chain Co., 3 141st St., Hammond, Ind.
Taylor Cylinder Div., Cuneo Press. 2262 S. Grove St., Chicago, Ill.
Taylor Forge & Pipe Works, P. O. Box 485, Chicago 90, Ill.
Taylor Instrument Co., 95 Ames St., Rochester, N. Y.
Taylor Wharton Iron & Steel Co., High Bridge, N. J.
Taylor Winfield Corp., Mahoning Ave., N. W., Warren, Ohio.
Tempil Corp., 132 W. 22nd St., New York 11, N. Y.
Templeton, Kenly & Co., 1020 S. Central Ave., Chicago 44, Ill.
Temprite Products Corp., 47 Piquette St., Detroit 2, Mich.
Tenn. Coal, Iron & R. R. Co., United States Steel Corp., 1010 Brown-Marx Bldg., 20th St. & 1st Ave., N., P.O. Box 2634, Birmingham 3, Ala.
Teuscher Pulley & Belting Co., 801 N. 2nd St., St. Louis, Mo.
Thermacote Co., 1005 Santa Fe Ave., Los Angeles 21, Calif.
Thermex Equip. Co., 3436 Book Bldg., Detroit, Mich.
Thermo Elec. Mfg. Co., 480 W. Locust St., Dubuque, Iowa.
Thomas Machine Mfg. Co., Butler Road, Pittsburgh 23, Pa.
Thompson & Co., 1085 Allegheny Ave., Oakmont, Pa.
Thompson Engrg. Co., 220 Winchester, N.E., Grand Rapids 2, Mich.
Thompson, H. G., & Son Co., 277 Chapel St., New Haven 5, Conn.
Thompson Products, Inc., Cleveland 3, Ohio.
Thomson Electric Welder Co., 161 Pleasant St., Lynn, Mass.
Threadwell Tap & Die Co., 16 Arch St., Greenfield, Mass.
Tillman, John & Co., 1561 W. 19th St., Long Beach 10, Calif.
Timken Roller Bearing Co., 1835 Dueber Ave., Canton 6, Ohio.
Tinkote Co., 79 Mill St., Revere 51, Mass.
Tipaloy, Inc., 1435 E. Milwaukee Ave., Detroit 11, Mich.
Titan Metal Mfg. Co., Sieg & Craig Sts., Bellefonte, Pa.
Titanium Alloy Mfg. Div., Nat'l Lead Co., 111 Broadway, New York 6, N. Y.
Titanium Pigment Corp., 111 Broadway, New York 6, N. Y.
Toel Mfg. Co., Box 224, 19 Collier St., Hornell, N. Y.
Tocco Div., Ohio Crankshaft Co., Cleveland, Ohio.
Toledo Pipe Threading Machine Co., 1445 Summit St., Toledo 4, Ohio.
Topeka Fdry. & Iron Wks. Co., Inc., 300 Jackson St., Topeka, Kansas.
Torchweld Equipment Co., 1035 W. Lake St., Chicago, Ill.
Torit Mfg. Co., 292 Walnut St., St. Paul 2, Minn.
Trane Co., The, 2nd & Cameron St., La Crosse, Wisc.
Trent Tube Co., 498 S. Church St., East Troy, Wisc.
Tri-Arc Corp., 6859 S. Anthony St., Chicago 37, Ill.
Trimont Mfg. Co., 55 Amory St., Roxbury 19, Mass.
Trindl Products, Ltd., 17 East 23rd St., Chicago 16, Ill.
Triplet & Barton, Inc., 831 N. Lake St., Burbank, Calif.
Trumbull Elec. Mfg. Co., 41 Woodford Ave., Plainville, Conn.
Truscon Steel Co., Youngstown, Ohio.
Tube Turns, Inc., 224 E. Broadway, Louisville 1, Ky.
Tubular Alloy Steel Corp., Gary, Ind.
Tubular Micrometer Co., St. James, Minn.
Tubular Service Corp., 32 Broadway, New York 4, N. Y.
Turco Prods., Inc., 6135 S. Central Ave., Los Angeles 1, Calif.
Turner Brass Wks. 821 Park Ave., Sycamore, Ill.
Tweco Products Co., 1450 S. Mosley, P. O. Box 666, Wichita 1, Kan.
Tweezer-Weld Corp., 532 Mulberry St., Newark 5, N. J.
Twentieth Century Mfg. Co., 719 S. 3rd St., Minneapolis 15, Minn.

U

Uniflex Cable Co., 738 West Seven Mile Rd., Detroit 3, Mich.
Union Carbide & Carbon Corp., 30 East 42nd St., New York 17, N. Y.
Union Stop Fire Corp., Brooklyn, N. Y.
Union Twist Drill Co., Butterfield Div., Derby Line, Vt.
Unique Mfg. Co., 221 W. Walton St., Chicago 10, Ill.
United Blower Co., Inc., 193 Center St., New York 13, N. Y.
U. S. Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.
U. S. Electrical Tool Co., 1050 Findlay St., Cincinnati 14, Ohio.
U. S. Gauge Div., American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.
U. S. Rubber Co., 1230 Avenue of the Americas, New York 20, N. Y.
U. S. Rubber Co., Wire & Cable Dept., 1230 Ave. of the Americas, New York 20, N. Y.
U. S. Steel Corp. of Dela., 437 Seventh Ave., Pittsburgh 30, Pa.
U. S. Steel Supply Co., 208 S. LaSalle St., Chicago 4, Ill.
United Welded Products, Inc., Sussex, Wisc.
United Welding Service Co., Eclipse Rd., Box 564, Franklin, Pa.
United Wire & Supply Corp., 1497 Elmwood Ave., Providence 7, R. I.
Unitek Corp., 697 N. Lake Ave., Pasadena 6, Calif.
Universal Engineering Co. of San Diego, 2230-32 National Ave., San Diego 2, Calif.
Universal Leather Co., 114 Pierce St., Berlin, Wisc.
Universal Welder Corp., 735 Carnegie Ave., Cleveland 15, Ohio.
Universal Welding Supply Co., 1235 W. 95th St., Chicago, Ill.
Universal Wheel & Abrasive Corp., 400 N. Ashland Ave., Chicago 22, Ill.
Univis Lens Co., 401 Leo St., Dayton 4, Ohio.
Upham, Philips Webb, & Co., 148 York St., New Haven 11, Conn.
Upson Walton Co., Perry Payne Bldg., Cleveland 13, Ohio.
Upton Electric Furnace Div., 7450 Melville at Green, Detroit, Mich.
Utica Drop Forge & Tool Corp., 2415 Whitesboro St., Utica 4, N. Y.

V

Vacu-Blast Co., Inc., 350 Peninsular Ave., San Mateo, Calif.
Valley Electric Corp., 4221-27 Forest Pk. Blvd., St. Louis 8, Mo.
Valley Oxygen Co., 311 Columbus Ave., Bay City, Mich.
Valve Mfg. Corp., 666 E. Wabash Ave., Decatur, Ill.
Van Dorn Electric Tool Co., 734 E. Joppa Rd., Towson 4, Md.
Van Dorn Iron Works Co., The, 2685 E. 79th St., Cleveland 4, Ohio.
Van Hoffman Press, 105 S. 9th St., St. Louis 2, Mo.
Van Nostrand, D., Co., Inc., 250 4th Ave., New York 3, N. Y.
Vande Mfg. Co., 1 N. LaSalle St., Chicago 2, Ill.
Vangtronic Corp., 237 John St., Bridgeport 3, Conn.
Vanol Corp., 4170 Hardford St., St. Louis 16, Mo.
Varkell Paul, Co., 37 West 39th St., New York 18, N. Y.
Vascoloy-Ramet Corp., 800 Market St., Waukegan, Ill.
Vernon Tool Co., Ltd., 1101 Meridian Ave., Alhambra, Calif.
Verson All-Steel Press Co., 9300 South Kenwood Ave., Chicago 19, Ill.
Victor Balata & Textile Belting Co., 53 Park Pl., New York 7, N. Y.
Victor Electric Prods., Inc., 2950 Robertson Ave., Cincinnati 9, Ohio.
Victor Electric Wire & Cable Corp., 8 Ackerman Ave., Clifton, N. J.
Victor Equip. Co., 844 Folsom St., San Francisco 7, Calif.
Victor Saw Works, Inc., 22 Cottage St., Middletown, N. Y.
Vincent Steel Process Co., 2424 Bellevue Ave., Detroit 7, Mich.
Vitrified Wheel Co., Westfield, Mass.
Vlchek Tool Co., 3000 E. 87th St., Cleveland, Ohio.
Vogel Tool & Die Corp., 1825 N. 32 Ave., Melrose Park, Ill.
Voss Machinery Co., 2882 W. Liberty Ave., Pittsburgh 16, Pa.
Vulcan Corp., 18 & Cherry St., Philadelphia 3, Pa.
Vulcan Electric Co., 88-90 Holten St., Danvers, Mass.

W

Wagner Electric Corp., 6000 Plymouth Ave., St. Louis 14, Mo.
Wagner, A. F., Iron Wks., 1905 S. First St., Milwaukee 1, Wisc.
Wagner Mfg. Co., Inc., 350 W. First South St., Jackson, Mo.
Waltcus Mfg. Co., 640 South Clark St., Chicago 5, Ill.
Walker Turner Co., Inc., South Ave. at Berckman St., Plainfield, N. J.
Wall Colmonoy Corp., 19345 John R St., Detroit 3, Mich.
Wallace Optical Co., Inc., 12332 East Jefferson Ave., Detroit 14, Mich.
Wallace Supplies Mfg. Co., 1300 Diversey Pkwy., Chicago 14, Ill.

Walls Sales Corp., 306 East 38th St., New York 16, N. Y.
Walworth Co., 60 East 42nd St., New York 17, N. Y.
Warner Brothers Co., The, Bridgeport 2, Conn.
Warner Industries, Inc., 118-124 W. Pearl St., Cincinnati 2, Ohio.
Washington Steel Corp., Washington, Pa.
Watchemoket Optical Co., Inc., 232 W. Exchange St., Providence 3, R. I.
Watson Stillman Co., 100 Aldene Rd., Roselle, N. J.
Waverly Petroleum Products Co., Drexel Bldg., Philadelphia 6, Pa.
Wayne Chemical Prod. Co., 9600 Copeland Ave., Detroit 17, Mich.
Wearaloy Co., 4170 E. Washington Blvd., Los Angeles, Calif.
Weatherhead Co., 300 E. 131st St., Cleveland 8, Ohio.
Webb Corp., The, 402 E. Main, Webb City, Mo.
Wedge Protectors, Inc., 3985 Jennings St., Cleveland, Ohio.
Weiger Weed & Co., Div. of Fansteel Metallurgical Corp., 11644 Cloverdale Ave., Detroit 4, Mich.
Weinberg & McKee, 600 W. Jackson Blvd., Chicago 6, Ill.
Weldaloy Products Co., 2323 E. Nine Mile Rd., Hazel Park, Mich.
Weldcio Mfg. Co., 253 Market St., Philadelphia 6, Pa.
Welded Truck & Specialty Co., Inc., 1302 Diversey Parkway, Chicago 14, Ill.
Welders Products, 141 W. Jackson Blvd., Chicago, Ill.
Welder's Products & Mfg. Co., 1420 So. 13th, Omaha 9, Nebr.
Welders Supply & Mfg. Co., 108 W. Central Parkway, Cincinnati 10, Ohio.
Welders Supply Co., 608 Thomas St., Little Rock, Ark.
Welderz Frend Generator Co., 718-28th St., Lubbock, Texas.
Weldex, Inc., 2200 W. Fort St., Detroit 16, Mich.
Welding Alloys Mfg. Co., 744 Broad St., Newark 2, N. J.
Welding Apparatus Co., 2750 W. Van Buren St., Chicago 12, Ill.
Welding Cable Headquarters, 4837 S. Western Ave., Chicago 9, Ill.
Welding Equip. & Service Co., 2123 Texas St., El Paso, Texas.
Welding Equip. & Supply Co., 223 Leib St., Detroit 7, Mich.
Welding Gas Products Co., 821 E. 11th St., Chattanooga 1, Tenn.
Welding Machines Mfg. Co., 17325 Lamont Ave., Detroit 12, Mich.
Welding Sales & Engr. Co., 8750 Grinnel Ave., Detroit 13, Mich.
Welding Service Sales, Inc., 926 Howard St., San Francisco 1, Calif.
Weldit, Inc., 990 Oakman Blvd., Detroit 6, Mich.
Weldoloy Products Co., 20869 Mound Rd., P. O. Box 145, Detroit 12, Mich.
Weldon Roberts Rubber Co., Brightboy Industrial Division, 351-365 Sixth Ave., Newark 7, N. J.
Weldrite Co., Inc., 29-23 40th Rd., Long Island City 1, N. Y.
Wells Mfg. Corp., E. on M-60 Highway, Three Rivers, Mich.
Wells, Martin, Inc., 5886 Compton Ave., Los Angeles 1, Calif.
Welsh Mfg. Co., 9 Magnolia St., Providence 9, R. I.
Weltronic Co., 19500 W. 8 Mile Rd., Detroit 19, Mich.
Wen-Lyn Products, 903 S. Main St., Burbank, Calif.
Wesley Lacquer Co., 95 Fourth St., Brooklyn 33, N. Y.
West Point Mfg. Co., 19643 Merriam St., Farmington, Mich.
West Texas Oxygen Co., 2607 Avenue H, Lubbock, Texas.
Western Chain Co., 1807 Belmont Ave., Chicago 13, Ill.
Western Insulated Wire Co., 2421 E. 30th St., Los Angeles 58, Calif.
Western Tool & Mfg. Co., The, 1620 E. Pleasant St., Springfield, Ohio.
Western Wire Prods. Co., 1314 So. 18th St., St. Louis 4, Mo.
Westinghouse Electric Corp., 1104 First National Bank Bldg., Pittsburgh 30, Pa.
Westinghouse Elec. Corp., Sturtevant Div., Hyde Park, Mass.
Wetzler Clamp Co., 43-15 11th St., Long Island City 1, N. Y.
Wheeler, Kight & Gainey, Inc., 74 E. Long St., Columbus, Ohio.
Wheeler Protective Apparel, Inc., 224 West Huron St., Chicago 10, Ill.
Wheeling Steel Corp., Wheeling Steel Corp. Bldg., Wheeling, W. Va.
White Co., L. B., 422 No. 10th St., La Crosse, Wis.
White Metal Rolling & Stamping Corp., 80 Moultrie St., Brooklyn 22, N. Y.
Whitehead Metal Products, Inc., 301 W. 10th St., New York 14, N. Y.
Whitman & Barnes, 2108 W. Fort St., Detroit 16, Mich.
Whitmore Oxygen Co., 430 E. South Temple St., Salt Lake City 2, Utah.
Whitney, W. A. Mfg. Co., 636 Race St., Rockford, Ill.
Whittaker, Clark & Daniels, Inc., 260 W. Broadway, New York 13, N. Y.
Wickwire Spencer Steel Div., The Colorado Fuel & Iron Corp., 500 5th Ave., New York 18, N. Y.
Wiese Plow Welding Co., Inc., 1507 Bateman St., Perry, Iowa.
Wilbur & Williams Co., 130 Lincoln St., Brighton 35, Mass.
Wilcox-Crittenden & Co., Inc., 11 So. Main St., Middletown, Conn.
Wiley, John & Sons, Inc., 440 4th Ave., New York 16, N. Y.
Wilkins Co., Inc., Cortland 29, N. Y.
Will-Weld Mfg. Co., 1523 Marcy St., Omaha 2, Nebr.
Williams & Co., Inc., 901 Pennsylvania Ave., N. S., Pittsburgh 12, Pa.
Williams, J. H., & Co., 400 Vulcan St., Buffalo 7, N. Y.
Willson Products, Inc., 2nd & Washington St., Reading, Pa.
Wilmington Fibre Specialty Co., P. O. Drawer 1028, Wilmington 99, Del.
Wilson Mechanical Instrument Co., Inc., 230 Park Ave., New York 17, N. Y.
Wilson Welder & Metals Co., Inc., 60 E. 42nd St., New York 17, N. Y.
Wilton Tool Mfg. Co., 925-941 Wrightwood Ave., Chicago 14, Ill.
Winter Bros. Co., Kendrick St., Wrentham, Mass.
Wisconsin Abrasive Co., 1400 E. Park Pl., Milwaukee 11, Wisc.
Wisconsin Cuneo Press, Inc., 239 E. Chicago St., Milwaukee 1, Wisc.
Wiscon Motor Corp., 1910 So. 53rd St., Milwaukee 14, Wisc.
Witt Gauge Co., Div. of National Pressure Cooker Co., 1515 Ball St., Eau Claire, Wisc.
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Wolfe-Kote Co., Inc., 820 Penn Ave., Sheboygan, Wisc.
Wolverine Gas Products, Inc., 311 Tasker Drive, Saginaw, Mich.
Wolverine Tool Co., 1480 E. Woodbridge St., Detroit 7, Mich.
Wonder Welding Spec., 518 40th St., Oakland 9, Calif.
Wood, Alan, Steel Co., Conshohocken, Pa.
Wood Lee, Inc., South Norwalk, Conn.
Wooldridge Aluminum Welding Products, 1200 Eastern Ave., Malden, Mass.
Worth Steel Co., Claymont, Del.
Worthington Pump & Mach. Corp., Harrison, N. J.
WOW Welding Specialties Co., 149 S. Western Ave., Chicago 12, Ill.
Wright Austin Co., 315 W. Woodbridge St., Detroit 26, Mich.
Wright Hoist Div. of Amer. Chain & Cable Co., Inc., 1100 E. Princess St., York, Pa.
Wyandotte Chemicals Corp., Wyandotte, Mich.
Wyckoff Steel Co., 21st St. & Duss Ave., Ambridge, Pa.
Wyse Laboratories, 211 S. Ludlow, Dayton, Ohio.
Wyzenbeek & Staff, Inc., 838 W. Hubbard St., Chicago 22, Ill.

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Yarco Distributors, 215 W. 7th St., Los Angeles 14, Calif.
York Engrg. Co., 3349 Ogden Ave., Chicago 23, Ill.
Young Bros. Co., 1834 Columbus Rd., Cleveland 13, Ohio.
Young, C. W., Mfg. Co., 208 Barnet Ave., Syracuse 2, N. Y.
Youngstown Foundry & Machine Co., Youngstown, Ohio.
Youngstown Sheet & Tube Co., Stambaugh Bldg., Youngstown 1, Ohio.
Youngstown Welding & Engrg. Co., 3700 Oakwood Ave., Youngstown 9, Ohio.

Z

Zeidler, E., Rockwell, Iowa.
Zucker, Myron, Engineering Co., 6432 Cass Ave., Detroit 2, Mich.

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